

Flight Club

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1 Modèle

1.1 dbConnection.php

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * Database connection functions
6  */
7 namespace FlightClub\sql;
8 require_once 'dbInfos.php';
9
10 //we check if the user session is already existing. If not we
   initialize it
11 if (!isset($_SESSION['user'])) {
12     $_SESSION['user'] = "";
13 }
14
15
16
17 class DBConnection {
18     static $conn = null; //database connection
19     const NOM_BASE = DB_NAME;
20     const HOST = DB_HOST;
21     const USER = DB_USER;
22     const PWD = DB_PWD;
23
24     /**
25      * Connection to the database function
26      *
27      * @return object return a non persistant connection object if
   the db connection was successful, else it return null
28      */
29     private static function doConnection() {
30         try {
31             self::$conn = new \PDO(
32                 "mysql:host=" . self::HOST .
33                 ";dbname=" . self::NOM_BASE, self::USER, self::
   PWD, array(\PDO::MYSQL_ATTR_INIT_COMMAND => "SET NAMES utf8",
34                 \PDO::ATTR_PERSISTENT => false));
35             self::$conn->setAttribute(\PDO::ATTR_ERRMODE, \PDO::
   ERRMODE_EXCEPTION);
36         } catch (\Exception $e) {
37             echo '<pre>Erreur : ' . $e->getMessage() . '</pre>';
38             die('Could not connect to MySQL');
39         }
40         return self::$conn;
```

```
41     }
42
43     /**
44      * create a new instance of a DB connection if not already
existing
45      *
46      * @return object
47      */
48     public static function getConnection() {
49         if (self::$conn == null) {
50             self::doConnection();
51         }
52         return self::$conn;
53     }
54
55     //TRANSACTION
56     /**
57      * Begin a transaction
58      *
59      * @return void
60      */
61     public static function startTransaction()
62     {
63         DBConnection::getConnection()->beginTransaction();
64     }
65
66     /**
67      * Rollback a transaction
68      *
69      * @return void
70      */
71     public static function rollback()
72     {
73         try {
74             DBConnection::getConnection()->rollback();
75         } catch (\Throwable $th) {
76             //throw $th;
77         }
78     }
79
80     /**
81      * Commit a transaction
82      *
83      * @return void
84      */
85     public static function commit()
86     {
87         try {
88             DBConnection::getConnection()->commit();
```

```
89         } catch (\Throwable $th) {  
90             //throw $th;  
91         }  
92     }  
93 }  
94 }  
95 ?>
```

Listing 1: *dbConnection.php*

1.2 dbInfos.php

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * Database connection data
6  */
7 const DB_NAME = "flightclub";
8 const DB_HOST = "localhost";
9 const DB_USER = "FlighcClubDbUser";
10 const DB_PWD = "JCN_G&c]PD6YLy)@Z1&N^ni?1WJ>*,fkgc.QONbT_0Bp01)WgzEu
    *H.Swdo!Ab^}";
11 ?>
```

Listing 2: dbInfos.php

1.3 flightDAO.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Flight-related functions
7  */
8
9 namespace FlightClub\sql;
10
11 use FlightClub\sql\DBConnection;
12
13 require_once 'dbConnection.php';
14
15 /**
16  * Flight related class that contain flight related functions with
17  * database interaction
18  */
19 class FlightDAO
20 {
21     /**
22      * Get all flight of an user with his id
23      *
24      * @param int $idUser
25      * @return array[mixed]
26      */
27     public static function getAllUserFlightByUserId($idUser)
28     {
29         $db = DBConnection::getConnection();
30         $sql = "SELECT * FROM 'tbl_flight' join 'tbl_user-flight' on
31         'tbl_flight'.'Id_Flight' = 'tbl_user-flight'.'Id_Flight' WHERE '
32         Id_User' = :idUser";
33         $request = $db->prepare($sql);
34         $request->execute([
35             ':idUser' => $idUser
36         ]);
37         return $request->fetchAll();
38     }
39
40     /**
41      * Get all flight of an user with his id with only the data
42      * needed for the PDF
43      *
44      * @param int $idUser
45      * @return array[mixed]
46      */
47 }
```



```

44     public static function getAllUserFlightByUserIdForExport($idUser
45     )
46     {
47         $db = DBConnection::getConnection();
48         $sql = "SELECT 'Cd_Role', 'No_Flight', 'Dttm_Departure', '
49         Dttm_Arrival', 'Tm_Engine_On', 'Tm_Engine_Off', 'Nm_Plane', '
50         No_Plane', 'Cd_ICAO_Departure', 'Cd_ICAO_Arrival', '
51         Cd_Flight_Type', 'Cd_Flight_Mode', 'Nb_Passengers' FROM '
52         tbl_flight' join 'tbl_user-flight' on 'tbl_flight'.'Id_Flight' =
53         'tbl_user-flight'.'Id_Flight' WHERE 'Id_User' = :idUser";
54
55         $request = $db->prepare($sql);
56         $request->execute([
57             ':idUser' => $idUser
58         ]);
59         return $request->fetchAll();
60     }
61
62     /**
63     * Add a flight to the database
64     *
65     * @param int $idFlight
66     * @param int $idUser
67     * @param string $role
68     * @param string $flight
69     * @param string $dateDeparture
70     * @param string $dateArrival
71     * @param string $timeDeparture
72     * @param string $timeArrival
73     * @param string $timeEngineOn
74     * @param string $timeEngineOff
75     * @param string $typeAircraft
76     * @param string $registrationPlane
77     * @param string $icaoDeparture
78     * @param string $icaoArrival
79     * @param string $flightType
80     * @param string $flightMode
81     * @param string $weather
82     * @param int $passengers
83     * @param string $notes
84     * @return void
85     */
86     public static function addFlight(
87         $idFlight,
88         $idUser,
89         $role,
90         $flight,
91         $dateDeparture,
92         $dateArrival,
93         $timeEngineOn,

```

```

87         $timeEngineOff,
88         $typeAircraft,
89         $registrationPlane,
90         $icaoDeparture,
91         $icaoArrival,
92         $flightType,
93         $flightMode,
94         $weather,
95         $passengers,
96         $notes
97     ) {
98
99         $db = DBConnection::getConnection();
100         $sql = "INSERT INTO 'tbl_flight' ('Id_Flight', 'No_Flight', '
Dttm_Departure', 'Dttm_Arrival',
101         'Tm_Engine_On', 'Tm_Engine_Off', 'Nm_Plane', 'No_Plane', '
Cd_ICAO_Departure',
102         'Cd_ICAO_Arrival', 'Cd_Flight_Type', 'Cd_Flight_Mode', '
Txt_Meteo', 'Nb_Passengers', 'Txt_Note')
103         VALUES (:idFlight, :flight, :dateDeparture, :dateArrival, :
timeEngineOn,
104         :timeEngineOff, :typeAircraft, :registrationPlane, :
icaoDeparture, :icaoArrival, :flightType, :flightMode, :weather,
:passengers, :notes);
105         INSERT INTO 'tbl_user-flight' ('Id_User', 'Id_Flight', '
Cd_Role')
106         VALUES (:idUser, :idFlight, :role)";
107         $request = $db->prepare($sql);
108         $request->execute([
109             ':idFlight' => $idFlight,
110             ':idUser' => $idUser,
111             ':role' => $role,
112             ':flight' => $flight,
113             ':dateDeparture' => $dateDeparture,
114             ':dateArrival' => $dateArrival,
115             ':timeEngineOn' => $timeEngineOn,
116             ':timeEngineOff' => $timeEngineOff,
117             ':typeAircraft' => $typeAircraft,
118             ':registrationPlane' => $registrationPlane,
119             ':icaoDeparture' => $icaoDeparture,
120             ':icaoArrival' => $icaoArrival,
121             ':flightType' => $flightType,
122             ':flightMode' => $flightMode,
123             ':weather' => $weather,
124             ':passengers' => $passengers,
125             ':notes' => $notes
126         ]);
127     }
128

```

```
129
130 /**
131  * Edit a flight to the database
132  *
133  * @param int $idFlight
134  * @param int $idUser
135  * @param string $role
136  * @param string $flight
137  * @param string $dateDeparture
138  * @param string $dateArrival
139  * @param string $timeEngineOn
140  * @param string $timeEngineOff
141  * @param string $typeAircraft
142  * @param string $registrationPlane
143  * @param string $icaoDeparture
144  * @param string $icaoArrival
145  * @param string $flightType
146  * @param string $flightMode
147  * @param string $weather
148  * @param int $passengers
149  * @param string $notes
150  * @return void
151  */
152 public static function editFlight(
153     $idFlight,
154     $idUser,
155     $role,
156     $flight,
157     $dateDeparture,
158     $dateArrival,
159     $timeEngineOn,
160     $timeEngineOff,
161     $typeAircraft,
162     $registrationPlane,
163     $icaoDeparture,
164     $icaoArrival,
165     $flightType,
166     $flightMode,
167     $weather,
168     $passengers,
169     $notes
170 ) {
171
172     $db = DBConnection::getConnection();
173     $sql = "UPDATE 'tbl_flight' SET 'No_Flight' = :flight, '
174     Dttm_Departure' = :dateDeparture, 'Dttm_Arrival' = :dateArrival,
175     'Tm_Engine_On' = :timeEngineOn, 'Tm_Engine_Off' = :
176     timeEngineOff, 'Nm_Plane' = :typeAircraft, 'No_Plane' = :
177     registrationPlane, 'Cd_ICAO_Departure' = :icaoDeparture,
```

```

175         'Cd_ICAO_Arrival' = :icaoArrival, 'Cd_Flight_Type' = :
flightType, 'Cd_Flight_Mode' = :flightMode, 'Txt_Meteo' = :weather
, 'Nb_Passengers' = :passengers, 'Txt_Note' = :notes WHERE '
tbl_flight'. 'Id_Flight' = :idFlight;
176         UPDATE 'tbl_user-flight' SET 'Cd_Role' = :role WHERE '
Id_Flight' = :idFlight)";
177         $request = $db->prepare($sql);
178         $request->execute([
179             ':idFlight' => $idFlight,
180             ':idUser' => $idUser,
181             ':role' => $role,
182             ':flight' => $flight,
183             ':dateDeparture' => $dateDeparture,
184             ':dateArrival' => $dateArrival,
185             ':timeEngineOn' => $timeEngineOn,
186             ':timeEngineOff' => $timeEngineOff,
187             ':typeAircraft' => $typeAircraft,
188             ':registrationPlane' => $registrationPlane,
189             ':icaoDeparture' => $icaoDeparture,
190             ':icaoArrival' => $icaoArrival,
191             ':flightType' => $flightType,
192             ':flightMode' => $flightMode,
193             ':weather' => $weather,
194             ':passengers' => $passengers,
195             ':notes' => $notes
196     ]);
197     }
198
199
200
201     /**
202     * Get all flight order by their id descending
203     *
204     * @return array[mixed]
205     */
206     public static function getAllFlightOrderById()
207     {
208         $db = DBConnection::getConnection();
209         $sql = "SELECT * FROM 'tbl_flight' ORDER BY 'Id_Flight' desc
";
210         $request = $db->prepare($sql);
211         $request->execute();
212         return $request->fetchAll();
213     }
214
215
216     /**
217     * Get a flight with his Id
218     *

```

```
219     * @param int $idFlight
220     * @return array[mixed]
221     */
222     public static function getFlightById($idFlight)
223     {
224         $db = DBConnection::getConnection();
225         $sql = "SELECT * FROM 'tbl_flight' WHERE 'Id_Flight' = :id";
226         $request = $db->prepare($sql);
227         $request->execute([
228             ':id' => $idFlight
229         ]);
230         return $request->fetch();
231     }
232
233 }
```

Listing 3: *flightDAO.php*

1.4 groupDAO.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Group-related functions
7  */
8
9 namespace FlightClub\sql;
10
11 use FlightClub\sql\DBConnection;
12
13 require_once 'dbConnection.php';
14
15 /**
16  * Group related class that contain group related functions with
17  * database interaction
18  */
19 class GroupDAO
20 {
21     /**
22      * return all pending invites
23      * @return array[mixed] pending invites data
24      */
25     public static function getAllPendingInvites()
26     {
27         $db = DBConnection::getConnection();
28         $sql = "SELECT * FROM 'tbl_user-group' WHERE '
29 Dttm_Membership' is null";
30         $request = $db->prepare($sql);
31         $request->execute();
32         return $request->fetchAll();
33     }
34
35     /**
36      * return all group data with the group Id
37      * @param int $idGroup
38      * @return array[mixed] all group data
39      */
40     public static function getGroupById($idGroup)
41     {
42         $db = DBConnection::getConnection();
43         $sql = "SELECT * FROM 'tbl_group' WHERE 'Id_Group' = :id";
44         $request = $db->prepare($sql);
45         $request->execute([
```

```
46         ':id' => $idGroup
47     ];
48     return $request->fetch();
49 }
50
51 /**
52  * Delete a pending invite
53  *
54  * @param int $idGroup
55  * @param int $idUser
56  * @return void
57  */
58 public static function deletePendingInvite($idGroup, $idUser)
59 {
60     $db = DBConnection::getConnection();
61     $sql = "DELETE FROM 'tbl_user-group' WHERE 'Id_Group' = :
idGroup AND 'Id_User' = :idUser";
62
63     $request = $db->prepare($sql);
64     $request->execute([
65         ":idGroup" => $idGroup,
66         ":idUser" => $idUser
67     ]);
68 }
69
70 /**
71  * Accept a pending invite
72  *
73  * @param int $idGroup
74  * @param int $idUser
75  * @return void
76  */
77 public static function acceptPendingInvite($idGroup, $idUser)
78 {
79     $dateTime = date("Y-m-d H:i:s");
80     $db = DBConnection::getConnection();
81     $sql = "UPDATE 'tbl_user-group' SET 'Dttm_Membership' = :
date WHERE 'tbl_user-group'.'Id_User' = :idUser AND 'tbl_user-
group'.'Id_Group' = :idGroup;";
82
83     $request = $db->prepare($sql);
84     $request->execute([
85         ":idGroup" => $idGroup,
86         ":idUser" => $idUser,
87         ":date" => $dateTime
88     ]);
89 }
90
91 /**
```

```
92      * Get all groups of one user identified by his id
93      *
94      * @param int $id
95      * @return array[mixed]
96      */
97      public static function getAllOfMyGroup($id)
98      {
99          $db = DBConnection::getConnection();
100          $sql = "SELECT * FROM 'tbl_user-group' join 'tbl_group' on '
tbl_user-group'.'Id_Group' = 'tbl_group'.'Id_Group' WHERE '
Dttm_Membership' is not null AND 'tbl_user-group'.'Id_User' = :id
";
101          $request = $db->prepare($sql);
102          $request->execute([
103              ':id' => $id
104          ]);
105          return $request->fetchAll();
106      }
107
108      /**
109      * Get all users of one group identified by the group id
110      *
111      * @param int $idGroup
112      * @return array[mixed]
113      */
114      public static function getAllOfGroupUser($idGroup)
115      {
116          $db = DBConnection::getConnection();
117          $sql = "SELECT * FROM 'tbl_user-group' join 'tbl_user' on '
tbl_user-group'.'Id_User' = 'tbl_user'.'Id_User' WHERE '
Dttm_Membership' is not null AND 'tbl_user-group'.'Id_Group' = :
id";
118          $request = $db->prepare($sql);
119          $request->execute([
120              ':id' => $idGroup
121          ]);
122          return $request->fetchAll();
123      }
124
125      /**
126      * Get an users of one group identified by his id
127      *
128      * @param int $idGroup
129      * @param int $idUser
130      * @return array[mixed]
131      */
132      public static function getGroupUserByIdUserAndIdGroup($idUser,
133          $idGroup)
134      {
```



```

134     $db = DBConnection::getConnection();
135     $sql = "SELECT * FROM 'tbl_user-group' join 'tbl_user' on '
tbl_user-group'.'Id_User' = 'tbl_user'.'Id_User' WHERE '
Dttm_Membership' is not null AND 'tbl_user-group'.'Id_Group' = :
idGroup AND 'tbl_user-group'.'Id_User' = :idUser";
136     $request = $db->prepare($sql);
137     $request->execute([
138         ':idUser' => $idUser,
139         ':idGroup' => $idGroup
140     ]);
141     return $request->fetchAll();
142 }
143
144 /**
145  * Create a group
146  *
147  * @param string $name
148  * @return void
149  */
150 public static function createGroup($name)
151 {
152     $db = DBConnection::getConnection();
153     $sql = "INSERT INTO 'tbl_group' ('Id_Group', 'Nm_Group')
VALUES (NULL, :name)";
154
155     $request = $db->prepare($sql);
156     $request->execute([
157         ":name" => $name
158     ]);
159 }
160
161 /**
162  * return all group data sort by the highest group id descending
163  *
164  * @return array[mixed]
165  */
166 public static function getLastGroupId()
167 {
168     $db = DBConnection::getConnection();
169     $sql = "SELECT * FROM 'tbl_group' order by 'Id_Group' desc";
170     $request = $db->prepare($sql);
171     $request->execute();
172     return $request->fetchAll();
173 }
174
175 /**
176  * Join a group just created by the user
177  *
178  * @param int $idGroup

```

```
179     * @param int $idUser
180     * @return void
181     */
182     public static function joinCreatedGroup($idGroup, $idUser)
183     {
184         $dateTime = date("Y-m-d H:i:s");
185         $db = DBConnection::getConnection();
186         $sql = "INSERT INTO 'tbl_user-group' ('Id_User', 'Id_Group',
'Dttm_Invitation', 'Dttm_Membership') VALUES (:idUser, :idGroup,
:date, :date);";
187
188         $request = $db->prepare($sql);
189         $request->execute([
190             ":idGroup" => $idGroup,
191             ":idUser" => $idUser,
192             ":date" => $dateTime
193         ]);
194     }
195
196
197     /**
198     * Create and send an invitation to an user
199     *
200     * @param int $idGroup
201     * @param int $idUser
202     * @return void
203     */
204     public static function CreateInvite($idGroup, $idUser)
205     {
206         $dateTime = date("Y-m-d H:i:s");
207         $db = DBConnection::getConnection();
208         $sql = "INSERT INTO 'tbl_user-group' ('Id_User', 'Id_Group',
'Dttm_Invitation', 'Dttm_Membership') VALUES (:idUser, :idGroup,
:date, null);";
209
210         $request = $db->prepare($sql);
211         $request->execute([
212             ":idGroup" => $idGroup,
213             ":idUser" => $idUser,
214             ":date" => $dateTime
215         ]);
216     }
217
218
219     /**
220     * return the user group data with the group Id and user id
221     *
222     * @param int $idGroup
223     * @return array[mixed] all group data
```

```
224  */
225  public static function getMyGroupById($idGroup, $idUser)
226  {
227      $db = DBConnection::getConnection();
228      $sql = "SELECT * FROM 'tbl_user-group' WHERE 'Id_Group' = :
idGroup AND 'Id_User' = :idUser AND Dttm_Membership is not null";
229      $request = $db->prepare($sql);
230      $request->execute([
231          ':idGroup' => $idGroup,
232          ':idUser' => $idUser
233      ]);
234      return $request->fetch();
235  }
236 }
```

Listing 4: groupDAO.php

1.5 mediaDAO.php

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * Media-related functions
6  */
7 namespace FlightClub\sql;
8
9 use FlightClub\sql\DBConnection;
10
11 // resources
12 require_once("dbConnection.php");
13 class MediaDAO
14 {
15
16     /**
17      * Function to add a media to the database
18      *
19      * @param string $path
20      * @param int $id
21      * @return void
22      */
23     public static function addmedia($path, $id)
24     {
25         $date = date("Y-m-d H:i:s");
26         $db = DBConnection::getConnection();
27         $sql = "INSERT INTO 'tbl_Picture'('Dttm_picture','
28 Txt_File_Path', 'Id_Flight')
29 VALUES (:date, :path, :fk)";
30 $q = $db->prepare($sql);
31 $q->execute(array(
32     ":path" => $path,
33     ":fk" => $id,
34     ":date" => $date
35 ));
36     }
37
38     /**
39      * Change file path in the database
40      *
41      * @param string $name
42      * @param string $tempname
43      * @return void
44      */
45     public static function changePath($name, $tempname)
46     {
```

```
47     $db = DBConnection::getConnection();
48     $sql = "UPDATE 'tbl_Picture' SET 'Txt_File_Path' = :named
WHERE 'Txt_File_Path' = :tempname";
49
50     $q = $db->prepare($sql);
51     $q->execute(array(
52         ':named' => $name,
53         ':tempname' => substr($tempname, 0, 2)
54     ));
55 }
56
57 /**
58  * Get all the data from a picture id
59  *
60  * @param int $id
61  * @return array
62  */
63 public static function read_media_by_id($id)
64 {
65     $sql = "SELECT * FROM 'tbl_picture' WHERE 'Id_Picture' = :id
";
66
67     $query = DBConnection::getConnection()->prepare($sql);
68
69     $query->execute([
70         ':id' => $id,
71     ]);
72     return $query->fetch();
73 }
74
75 /**
76  * Get all picture data from his path
77  *
78  * @param string $path
79  * @return void
80  */
81 public static function read_media_by_Path($path)
82 {
83     $sql = "SELECT * FROM 'tbl_picture' WHERE 'Txt_File_Path' =
:mypath";
84
85     $query = DBConnection::getConnection()->prepare($sql);
86
87     $query->execute([
88         ':mypath' => $path,
89     ]);
90     return $query->fetch();
91 }
92
```

```
93  /**
94   * Get all media from a flight with his id
95   *
96   * @param int $idFlight
97   * @return array[mixed]
98   */
99  public static function readMediaByIdFlight($idFlight)
100  {
101      $sql = "SELECT * FROM 'tbl_picture' WHERE 'Id_Flight' = :id
102            ORDER BY 'Dttm_Picture' desc";
103
104      $query = DBConnection::getConnection()->prepare($sql);
105
106      $query->execute([
107          ':id' => $idFlight,
108      ]);
109      return $query->fetchall();
110  }
111
112  /**
113   * Remove a picture from a flight
114   *
115   * @param int $idPost
116   * @return void
117   */
118  public static function del_mediaByIdFlight($idFlight)
119  {
120      $db = DBConnection::getConnection();
121      $sql = "DELETE FROM 'media' WHERE 'media'.'idPost' = :id";
122      $q = $db->prepare($sql);
123      $q->execute([
124          ':id' => $idFlight,
125      ]);
126  }
127
128  /**
129   * Remove a picture in the database identified by his id
130   *
131   * @param int $idMedia
132   * @return void
133   */
134  public static function del_mediaByIdMedia($idMedia)
135  {
136      $db = DBConnection::getConnection();
137      $sql = "DELETE FROM 'tbl_picture' WHERE 'Id_Picture' = :id";
138      $q = $db->prepare($sql);
139      $q->execute([
140          ':id' => $idMedia,
```

```
141     }  
142 }
```

Listing 5: mediaDAO.php

1.6 userDAO.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * User-related functions
7  */
8
9 namespace FlightClub\sql;
10
11 use FlightClub\sql\DBConnection;
12
13 require_once 'dbConnection.php';
14
15 /**
16  * User related class that contain user related functions with
17  * database interaction
18  */
19 class UserDAO
20 {
21     /**
22      * Get users for making a pagination
23      *
24      * @param [type] $offset
25      * @param [type] $limit
26      * @return void
27      */
28     public static function getUsers($offset = null, $limit = null)
29     {
30         $db = DBConnection::getConnection();
31         $sql = "SELECT * FROM tbl_user";
32
33         if ($limit !== null) {
34             $sql .= " LIMIT $limit";
35         }
36         if ($offset !== null) {
37             $sql .= " OFFSET $offset";
38         }
39
40         $request = $db->prepare($sql);
41         $request->execute();
42         return $request->fetchAll();
43     }
44
45     /**
46      * Count the number of users
```



```
47      *
48      * @return int number of users
49      */
50     public static function countUsers()
51     {
52         $db = DBConnection::getConnection();
53         $sql = 'SELECT count(*) FROM tbl_user';
54         $q = $db->prepare($sql);
55         $q->execute();
56         $information = $q->fetch();
57         return $information;
58     }
59
60     /**
61      * Get all data from an user with his ID
62      *
63      * @param int $userID
64      * @return array[mixed]
65      */
66     public static function getUserByID($userID)
67     {
68         $db = DBConnection::getConnection();
69         $sql = "SELECT * FROM tbl_user WHERE Id_User = :userID";
70         $request = $db->prepare($sql);
71         $request->execute([':userID' => $userID]);
72         return $request->fetch();
73     }
74
75     /**
76      * Get all data from an user with a flight ID
77      *
78      * @param int $flightID
79      * @return array[mixed]
80      */
81     public static function getUserByFlightID($flightID)
82     {
83         $db = DBConnection::getConnection();
84         $sql = "SELECT * FROM 'tbl_user-flight' join 'tbl_user' on 'tbl_user-flight'.'.Id_User' = 'tbl_user'.'.Id_User' WHERE 'tbl_user-flight'.'.Id_Flight' = :flightId";
85         $request = $db->prepare($sql);
86         $request->execute([':flightId' => $flightID]);
87         return $request->fetch();
88     }
89
90     /**
91      * Get all user data from their email
92      *
93      * @param string $email
```

```
94      * @return array[mixed]
95      */
96      public static function getUserByEmail($email)
97      {
98          $db = DBConnection::getConnection();
99          $sql = "SELECT * FROM tbl_user WHERE Txt_Email = :email";
100          $request = $db->prepare($sql);
101          $request->execute([':email' => $email]);
102          return $request->fetch();
103      }
104
105      /**
106       * Add an user to the database
107       *
108       * @param string $email
109       * @param string $password
110       * @return void
111       */
112      public static function AddUsers($email, $password)
113      {
114          $db = DBConnection::getConnection();
115          $sql = "INSERT INTO 'tbl_user'('Txt_Email','
116      Txt_Password_Hash'
117      VALUES (:email, :password)";
118          $request = $db->prepare($sql);
119          $request->execute([
120              ':email' => $email,
121              ':password' => $password
122          ]);
123      }
124
125      /**
126       * Check if there is an user with the email provided in
127       * parameter
128       *
129       * @param string $email
130       * @return string
131       */
132      public static function readEmail($email)
133      {
134          $db = DBConnection::getConnection();
135          $sql = "SELECT 'Txt_Email' FROM 'tbl_user' WHERE 'Txt_Email'
136      = :email";
137
138          $request = $db->prepare($sql);
139          $request->execute([
140              ':email' => $email
141          ]);
```

```
140     $result = $request->fetch();
141     return $result;
142 }
143
144 /**
145  * Get all user data from their email
146  *
147  * @param string $email
148  * @return array[mixed]
149  */
150 public static function readUsersByEmail($email)
151 {
152     $db = DBConnection::getConnection();
153     $sql = "SELECT * FROM 'tbl_user' WHERE 'Txt_Email' = :email"
154 ;
155
156     $request = $db->prepare($sql);
157     $request->execute([
158         ':email' => $email
159     ]);
160
161     $result = $request->fetch();
162     return $result;
163 }
164
165 /**
166  * Change the password of an user identified by his ID
167  *
168  * @param int $id
169  * @param string $password
170  * @return void
171  */
172 public static function changePassword($id, $password)
173 {
174     $db = DBConnection::getConnection();
175     $sql = "UPDATE 'tbl_user' SET 'Txt_Password_Hash' = :
176 password, WHERE 'tbl_user'.'Id_User' = :id";
177
178     $query = $db->prepare($sql);
179
180     $query->execute([
181         ':id' => $id,
182         ':password' => $password
183     ]);
184 }
```

Listing 6: userDAO.php

2 Vue

2.1 index.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * switching page logic here
7  */
8
9 //we start a session
10 session_start();
11
12 require_once("../sql/userDAO.php");
13
14 use FlightClub\sql\UserDAO;
15
16 //we initialize a session user if it does not exists
17 if (!isset($_SESSION['user'])) {
18     $_SESSION['user'] = "";
19 }
20 // variable that will get the page to show
21 $page = filter_input(INPUT_GET, 'page', FILTER_SANITIZE_STRING);
22
23 //if empty we show the default home page
24 if ($page == null) {
25     header('location: index.php?page=homepage');
26 }
27
28 //we initialize a session of connection if it doesn't exists
29 if (!isset($_SESSION['connected'])) {
30     $_SESSION['connected'] = false;
31 }
32
33 //we check that we have a page to show
34 if (isset($page)) {
35     //we show the desired page
36     switch ($page) {
37         case 'register':
38             require("../pages/Registration.php");
39             break;
40         case 'userModify':
41             require("../pages/UserModify.php");
42             break;
43         case 'login':
44             require("../pages/Login.php");
```

```
45         break;
46     case 'logout':
47         require("../pages/Logout.php");
48         break;
49     case 'homepage':
50         require("../pages/Index.php");
51         break;
52     case 'groupMenu':
53         require("../pages/GroupMenu.php");
54         break;
55     case 'invite':
56         require("../pages/GroupInvites.php");
57         break;
58     case 'myGroupes':
59         require("../pages/MyGroup.php");
60         break;
61     case 'createGroups':
62         require("../pages/GroupCreate.php");
63         break;
64     case 'aboutGroup':
65         require("../pages/AboutGroup.php");
66         break;
67     case 'InviteAMember':
68         require("../pages/GroupInviteAMember.php");
69         break;
70     case 'MemberList':
71         require("../pages/GroupMemberList.php");
72         break;
73     case 'logbook':
74         require("../pages/UserLogBookMenu.php");
75         break;
76     case 'myFlights':
77         require("../pages/UserFlight.php");
78         break;
79     case 'addFlight':
80         require("../pages/UserAddFlight.php");
81         break;
82     case 'groupLogBook':
83         require("../pages/GroupLogBook.php");
84         break;
85     case 'logbookDetail':
86         require("../pages/FlightDetail.php");
87         break;
88     case 'logbookEdit':
89         require("../pages/FlightEdit.php");
90         break;
91     case 'downloadPdf':
92         require("../pages/DownloadPdf.php");
93         break;
```

```
94         case 'downloadCsv':
95             require("./pages/DownloadCsv.php");
96             break;
97         case 'faq':
98             require("./pages/FAQ.php");
99             break;
100        case '404':
101            require("./pages/404.php");
102            break;
103        default:
104            require("./pages/404.php");
105    }
106 } else {
107     require("./pages/Index.php");
108 }
```

Listing 7: index.php

2.2 404.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * 404 page
7  */
8 ?>
9 <!DOCTYPE html>
10 <html lang="fr">
11
12 <head>
13     <meta charset="utf-8">
14     <meta name="viewport" content="width=device-width, initial-scale
15     =1.0, shrink-to-fit=no">
16     <title>Erreur 404 - Flight Club</title>
17     <meta name="description" content="Flight Club">
18     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
19     css?h=dce1ced0acba79984dca99bab3de3321">
20     <link rel="manifest" href="manifest.json?h=3376
21     faf9af9d01ed3ad3ca66d606c630">
22     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
23     family=Montserrat:400,400i,700,700i,600,600i">
24     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
25     css?h=2cbf12caab31562d03bae9544edcad5f">
26     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
27     css?h=2cbf12caab31562d03bae9544edcad5f">
28     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=2
29     cbf12caab31562d03bae9544edcad5f">
30     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
31     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
32     <link rel="stylesheet" href="assets/css/styles.min.css?h=2528
33     b47b032341ce951bad4eb7bec58f">
34 </head>
35
36 <body style="display: flex;flex-direction: column;height: 100vh;">
37     <div style="flex: 1 0 auto;">
38         <?php
39         require_once("../assets/php/nav.php");
40         ?>
41         <main class="page login-page">
42             <section class="clean-block clean-form dark">
43                 <div class="block-heading">
44                     <div class="container">
45                         <h2 class="text-info">Erreur 404</h2>
46                         <p>La page n'a pas été trouvée</p>
47                     </div>
48                 </div>
49             </section>
50         </main>
51     </div>
52 </body>
```

```
39         </div>
40     </section>
41 </main><!-- Start: Footer Dark -->
42 </div><?php
43     require_once("../assets/php/footer.php");
44     ?>
45 <!-- End: Footer Dark -->
46 <script src="assets/bootstrap/js/bootstrap.min.js?h=0
de0a05340ecfd010938b6967a030757"></script>
47 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
js/1.10.0/baguetteBox.min.js"></script>
48 <script src="assets/js/script.min.js?h=
d28daa69ae332709e94e8243f638cce6"></script>
49 </body>
50
51 </html>
```

Listing 8: 404.php

2.3 AboutGroup.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * About group page here
7  */
8
9 require_once("../controllers/aboutGroup_controller.php");
10
11 ?>
12 <!DOCTYPE html>
13 <html lang="fr">
14
15 <head>
16     <meta charset="utf-8">
17     <meta name="viewport" content="width=device-width, initial-scale
18     =1.0, shrink-to-fit=no">
19     <title>Informations de groupe - Flight Club</title>
20     <meta name="description" content="Flight Club">
21     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
22     css?h=dce1ced0acba79984dca99bab3de3321">
23     <link rel="manifest" href="manifest.json?h=3376
24     faf9af9d01ed3ad3ca66d606c630">
25     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
26     family=Montserrat:400,400i,700,700i,600,600i">
27     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
28     css?h=2cbf12caab31562d03bae9544edcad5f">
29     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
30     css?h=2cbf12caab31562d03bae9544edcad5f">
31     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=2
32     cbf12caab31562d03bae9544edcad5f">
33     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
34     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
35     <link rel="stylesheet" href="assets/css/styles.min.css?h=2528
36     b47b032341ce951bad4eb7bec58f">
37 </head>
38
39 <body style="display: flex;flex-direction: column;height: 100vh;">
40     <div style="flex: 1 0 auto;">
41         <?php
42         require_once("../assets/php/nav.php");
43         ?>
44         <main class="page login-page">
45             <section class="clean-block clean-form dark">
46                 <div class="container">
47                     <div class="block-heading">
```

```

39         <h2 class="text-info"><?= groupName(
    $groupDATA) ?></h2>
40         <p>Toutes les informations au sujet du
    groupe "<?= groupName($groupDATA) ?>" </p>
41     </div>
42     <form method="" action="">
43         <table>
44             <tr>
45                 <td><a href="?page=groupLogBook&
    idGroup=<?=$idGroup?>" class="btn btn-primary">Carnet de vol du
    groupe</a></td>
46                 <td><a href="?page=MemberList&
    idGroup=<?=$idGroup?>" class="btn btn-primary">Liste des membres
    </a></td>
47                 <td><a href="?page=InviteAMember&
    idGroup=<?=$idGroup?>" class="btn btn-primary">Inviter un membre
    </a></td>
48             </tr>
49         </table>
50     </form>
51 </div>
52 </section>
53 </main>
54 </div><!-- Start: Footer Dark -->
55 <?php
56 require_once("../assets/php/footer.php");
57 ?>
58 <!-- End: Footer Dark -->
59 <script src="assets/bootstrap/js/bootstrap.min.js?h=0
    de0a05340ecfd010938b6967a030757"></script>
60 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
    js/1.10.0/baguetteBox.min.js"></script>
61 <script src="assets/js/script.min.js?h=
    d28daa69ae332709e94e8243f638cce6"></script>
62 </body>
63
64 </html>

```

Listing 9: AboutGroup.php

2.4 DownloadCsv.php

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * CSV Generation page here
6  */
7
8 use FlightClub\sql\DBConnection;
9 use FlightClub\sql\UserDAO;
10 use FlightClub\sql\FlightDAO;
11
12 require_once './sql/dbConnection.php';
13 require_once './sql/userDAO.php';
14 require_once './sql/flightDAO.php';
15
16
17 //we check if the user is already logged-in
18 if (!isset($_SESSION['userID'])) {
19     header("Location: ./index.php?page=homepage");
20     exit();
21 }
22
23 //initialize the name of the column in the csv
24 $nameColumn = "";
25
26 //we get all flight from the current user
27 $userFlight = FlightDAO::getAllUserFlightByUserId($_SESSION['userID',
28     ]);
29
30 //we check if the user is already logged-in
31 if (!isset($_SESSION['userID'])) {
32     header("Location: ./index.php?page=homepage");
33     exit();
34 }
35
36 function cleanData($str)
37 {
38     if($str == 't') $str = 'TRUE';
39     if($str == 'f') $str = 'FALSE';
40     if(preg_match("/^0/", $str) || preg_match("/^\+?\d{8,}$/", $str)
41         || preg_match("/^\d{4}.\d{1,2}.\d{1,2}/", $str)) {
42         $str = "'$str'";
43     }
44     if(strpos($str, '"')) $str = '"' . str_replace('"', '"', $str)
45         . '"';
46 }
```

```
45
46
47 /**
48  * Function that take the time of each flight and put it in a total
49  *   time
50  * @param array $flight
51  * @return string
52  */
53 function computeTotal($flight)
54 {
55     $totalMinutes = 0;
56     $totalHour = 0;
57     foreach ($flight as $key => $value) {
58
59         $totalMinutes += computeTotalTime($value['Dttm_Departure'],
60 $value['Dttm_Arrival']);
61     }
62
63     $totalHour = floor($totalMinutes / 60);
64
65     $totalMinutes = ($totalMinutes - (60 * $totalHour));
66
67     $hour_padded = sprintf("%02d", $totalHour);
68     $minutes_padded = sprintf("%02d", $totalMinutes);
69
70     return $hour_padded . ":" . $minutes_padded;
71 }
72
73
74 /**
75  * Function that compute a flight time on with date and hour. Found
76  *   logic on stackoverflow and adapted it a bit: https://
77  *   stackoverflow.com/questions/5463549/subtract-time-in-php
78  * @param string $Dt_Departure
79  * @param string $Dt_Arrival
80  * @return string
81  */
82 function computeTotalTime($Dt_Departure, $Dt_Arrival)
83 {
84     $start = strtotime($Dt_Departure);
85     $end = strtotime($Dt_Arrival);
86
87     //If you want it in minutes, you can divide the difference by 60
88     //instead
89     $mins = (int)(( $end - $start) / 60);
90     return $mins;
```

```

89 }
90
91
92 // filename of the download
93 $filename = "flight_club" . date('Ymd') . ".csv";
94
95 header("Content-Disposition: attachment; filename=\"$filename\"");
96 header("Content-Type: text/csv");
97
98 $out = fopen("php://output", 'w');
99
100 $flag = false;
101
102 $nameColumn = array("Role" => '', "Type de vol" => '', "Date de dé
    part" => '', "Date d'arrivée" => '', "Démarrage moteur" => '', "
    Moteur coupé" => '', "Modèle d'avion" => '', "Immatriculation" =>
    '', "ICAO de départ" => '', "ICAO d'arrivée" => '', "Catégorie
    de vol" => '', "Mode de vol" => '', "Nombre de passagers" => '');
103
104 $db = DBConnection::getConnection();
105 $result = "SELECT 'Cd_Role', 'No_Flight', 'Dttm_Departure', '
    Dttm_Arrival', 'Tm_Engine_On', 'Tm_Engine_Off', 'Nm_Plane', '
    No_Plane', 'Cd_ICAO_Departure', 'Cd_ICAO_Arrival', '
    Cd_Flight_Type', 'Cd_Flight_Mode', 'Nb_Passengers' FROM '
    tbl_flight' join 'tbl_user-flight' on 'tbl_flight'.'Id_Flight' =
    'tbl_user-flight'.'Id_Flight' WHERE 'Id_User' = :idUser";
106
107 $query = $db->prepare($result);
108
109 $query->execute([
110     ':idUser' => $_SESSION['userID']
111 ]);
112
113
114
115 while (false !== ($row = $query->fetch(PDO::FETCH_ASSOC))) {
116     if (!$flag) {
117         // display field/column names as first row
118         fputcsv($out, array_keys($nameColumn), ';', '');
119         $flag = true;
120     }
121     array_walk($row, __NAMESPACE__ . '\cleanData');
122     fputcsv($out, array_values($row), ';', '');
123 }
124 fputcsv($out, array("Carnet de vol de " . UserDao::getUserByID(
    $_SESSION['userID'])['Txt_Email'], "Temps de vol total : ",
    computeTotal($userFlight), date("d-m-Y H:i:s")), ';', '');
125
126 fclose($out);

```

```
127 exit;
```

Listing 10: DownloadCsv.php

2.5 DownloadPdf.php

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * PDF Generation page here
6  */
7
8 // Include the main TCPDF library (search for installation path).
9 require_once('./controllers/tcpdf_include.php');
10
11 require_once "./sql/userDAO.php";
12 require_once "./sql/flightDAO.php";
13
14 use FlightClub\sql\FlightDAO;
15 use FlightClub\sql\userDAO;
16
17
18 //we check if the user is already logged-in
19 if (!isset($_SESSION['userID'])) {
20     header("Location: ./index.php?page=homepage");
21     exit();
22 }
23
24 $pilot = userDAO::getUserByID($_SESSION['userID']);
25 $flight = FlightDAO::getAllUserFlightByUserIdForExport($_SESSION['
    userID']);
26
27
28 /**
29  * Function that take the time of each flight and put it in a total
    time
30  *
31  * @param array[mixed] $flight
32  * @return void
33  */
34 function computeTotal($flight)
35 {
36     $totalMinutes = 0;
37     $totalHour = 0;
38     foreach ($flight as $key => $value) {
39
40         $totalMinutes += computeTotalTime($value['Dttm_Departure'],
            $value['Dttm_Arrival']);
41     }
42
43     $totalHour = floor($totalMinutes/60);
44 }
```

```

45     $totalMinutes = ($totalMinutes - (60* $totalHour));
46
47     return $totalHour . ":" . $totalMinutes;
48 }
49
50
51 /**
52  * Function that compute a flight time on with date and hour. Found
53  * logic on stackoverflow and adapted it a bit: https://
54  * stackoverflow.com/questions/5463549/subtract-time-in-php
55  *
56  * @param string $Dt_Departure
57  * @param string $Dt_Arrival
58  * @return void
59  */
60 function computeTotalTime($Dt_Departure, $Dt_Arrival)
61 {
62     $start = strtotime($Dt_Departure);
63     $end = strtotime($Dt_Arrival);
64
65     //If you want it in minutes, you can divide the difference by 60
66     //instead
67     $mins = (int)(( $end - $start) / 60);
68     return $mins;
69 }
70
71 // extend TCPDF with custom functions
72 class MYPDF extends TCPDF
73 {
74
75     // Colored table
76     public function ColoredTable($header, $data)
77     {
78         // Colors, line width and bold font
79         $this->SetFillColor(59, 153, 224);
80         $this->SetTextColor(255);
81         $this->SetDrawColor(59, 133, 224);
82         $this->SetLineWidth(0.3);
83         $this->SetFont('', 'B');
84         // Header
85         $w = array(20, 20, 35, 35, 25, 25, 45, 25, 20, 20, 30, 30,
86 20);
87         $num_headers = count($header);
88         for ($i = 0; $i < $num_headers; ++$i) {
89             $this->Cell($w[$i], 7, $header[$i], 1, 0, 'C', 1);
90         }
91     }
92 }

```



```

90     $this->Ln();
91     // Color and font restoration
92     $this->SetFillColor(224, 235, 255);
93     $this->SetTextColor(0);
94     $this->SetFont('');
95     // Data
96     $fill = 0;
97     foreach ($data as $row) {
98         $this->Cell($w[0], 6, $row[0], 'LR', 0, 'C', $fill);
99         $this->Cell($w[1], 6, $row[1], 'LR', 0, 'C', $fill);
100        $this->Cell($w[2], 6, $row[2], 'LR', 0, 'C', $fill);
101        $this->Cell($w[3], 6, $row[3], 'LR', 0, 'C', $fill);
102        $this->Cell($w[4], 6, $row[4], 'LR', 0, 'C', $fill);
103        $this->Cell($w[5], 6, $row[5], 'LR', 0, 'C', $fill);
104        $this->Cell($w[6], 6, $row[6], 'LR', 0, 'C', $fill);
105        $this->Cell($w[7], 6, $row[7], 'LR', 0, 'C', $fill);
106        $this->Cell($w[8], 6, $row[8], 'LR', 0, 'C', $fill);
107        $this->Cell($w[9], 6, $row[9], 'LR', 0, 'C', $fill);
108        $this->Cell($w[10], 6, $row[10], 'LR', 0, 'C', $fill);
109        $this->Cell($w[11], 6, $row[11], 'LR', 0, 'C', $fill);
110        $this->Cell($w[12], 6, $row[12], 'LR', 0, 'C', $fill);
111        $this->Ln();
112        $fill = !$fill;
113    }
114    $this->Cell(array_sum($w), 0, '', 'T');
115 }
116
117 // Page footer
118 public function Footer() {
119     // Position at 15 mm from bottom
120     $this->SetY(-15);
121     // Set font
122     $this->SetFont('helvetica', 'I', 8);
123     // Page number
124     $this->Cell(0, 10, 'Page '.$this->getAliasNumPage().'/'.$this->getAliasNbPages(), 0, false, 'C', 0, '', 0, false, 'T', 'M');
125     $this->Cell(0, 10, date("d-m-Y H:i:s"), 0, false, 'R', 0, '', 0, false, 'T', 'M');
126 }
127 }
128
129 // create new PDF document
130 $pdf = new MYPDF(PDF_PAGE_ORIENTATION, PDF_UNIT, PDF_PAGE_FORMAT, true, 'UTF-8', false);
131
132 // set document information
133 $pdf->SetCreator(PDF_CREATOR);
134 $pdf->SetAuthor('Brian GOLAY');

```

```
135 $pdf->SetTitle('Flight Club');
136 $pdf->SetSubject('Flight Club logbook');
137 $pdf->SetKeywords('Logbook, PDF, carnet de vol, vol, aviation');
138
139 // set default header data
140 $pdf->SetHeaderData("", 0, 'Carnet de vol de ' . $pilot['Txt_Email']
    . "| Total des heures: " . computeTotal($flight),
    PDF_HEADER_STRING);
141
142 // set header and footer fonts
143 $pdf->setHeaderFont(array(PDF_FONT_NAME_MAIN, '', PDF_FONT_SIZE_MAIN
    ));
144 $pdf->setFooterFont(array(PDF_FONT_NAME_DATA, '', PDF_FONT_SIZE_DATA
    ));
145
146 // set default monospaced font
147 $pdf->SetDefaultMonospacedFont(PDF_FONT_MONOSPACED);
148
149 // set margins
150 $pdf->SetMargins(PDF_MARGIN_LEFT, PDF_MARGIN_TOP, PDF_MARGIN_RIGHT);
151 $pdf->SetHeaderMargin(PDF_MARGIN_HEADER);
152 $pdf->SetFooterMargin(PDF_MARGIN_FOOTER);
153
154 // set auto page breaks
155 $pdf->SetAutoPageBreak(TRUE, PDF_MARGIN_BOTTOM);
156
157 // set image scale factor
158 $pdf->setImageScale(PDF_IMAGE_SCALE_RATIO);
159
160 // set some language-dependent strings (optional)
161 if (@file_exists(dirname(__FILE__) . '/lang/eng.php')) {
162     require_once(dirname(__FILE__) . '/lang/eng.php');
163     $pdf->setLanguageArray($l);
164 }
165
166 // -----
167
168 // set font
169 $pdf->SetFont('helvetica', '', 8);
170
171 // add a page
172 $pdf->AddPage();
173
174 // column titles
175 $header = array('Role', 'Type de vol', 'Départ', 'Arrivée', '
    Allumage moteur', 'Moteur coupé', 'Type d\'aéronef', '
    Immatriculation', 'Départ', 'Arrivée', 'Catégorie de vol', 'Mode
    de vol', 'Passager');
```

```
177 // data loading
178 $data = $flight;
179
180 // print colored table
181 $pdf->ColoredTable($header, $data);
182
183 // -----
184
185 // close and output PDF document
186 $pdf->Output('FlightClub.pdf', 'I');
187
188 //=====+
189 // END OF FILE
190 //=====+
```

Listing 11: DownloadPdf.php

2.6 FAQ.php

```

1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * FAQ page here
6  */
7 ?>
8 <!DOCTYPE html>
9 <html lang="fr">
10
11 <head>
12     <meta charset="utf-8">
13     <meta name="viewport" content="width=device-width, initial-scale
14     =1.0, shrink-to-fit=no">
15     <title>FAQ - Flight Club</title>
16     <meta name="description" content="TPI GOLAY Brian">
17     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
18     css?h=2fc55c83fda89d85c10ec2813155ab55">
19     <link rel="manifest" href="manifest.json?h=44264
20     fee9c6d05944711595970c43d33">
21     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
22     family=Montserrat:400,400i,700,700i,600,600i">
23     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
24     css?h=320bd0471c3e8d6b9dd55c98e185506c">
25     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
26     css?h=320bd0471c3e8d6b9dd55c98e185506c">
27     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=320
28     bd0471c3e8d6b9dd55c98e185506c">
29     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
30     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
31     <link rel="stylesheet" href="assets/css/vanilla-zoom.min.css?h=
32     e737f76df021b46fa7180f48799a5d20">
33 </head>
34
35 <body style="display: flex;flex-direction: column;height: 100vh;">
36     <div style="flex: 1 0 auto;">
37         <?php
38         require_once("../assets/php/nav.php");
39         ?>
40         <!-- Start: Contact Us Form -->
41         <main class="page login-page">
42             <section class="clean-block clean-form dark">
43                 <div class="container">
44                     <div class="block-heading">
45                         <h2 class="text-info">Frequently Asked
46                         Questions (FAQ)</h2>
47                     <p>Les réponses à vos questions</p>

```

```

38         </div>
39         <form style="max-width: 100%;">
40             <div class="table-responsive">
41                 <table class="table">
42                     <thead>
43                         <tr>
44                             <th>Question</th>
45                             <th>Réponse</th>
46                         </tr>
47                     </thead>
48                     <tbody>
49                         <tr>
50                             <td>Comment ajouter un vol à
51                             son carnet de vol?</td>
52                             <td>Pour ajouter un vol à
53                             son carnet de vol il faut se connecter, ensuite il faut aller
54                             sous: Carnet de vol -> Ajouter un vol. Il ne vous reste plus qu'a
55                             remplir les données du vol</td>
56                         </tr>
57                         <tr>
58                             <td>Comment télécharger les
59                             données de mon carnet de vol?</td>
60                             <td>Pour télécharger son
61                             carnet de vol il faut se connecter, ensuite il faut aller sous: "
62                             Carnet de vol" -> "Télécharger en PDF" ou "Télécharger en CSV"</
63                             td>
64                         </tr>
65                         <tr>
66                             <td>Est-ce que tout le monde
67                             a accès à mon carnet de vol?</td>
68                             <td>Non. Les seules
69                             personnes à pouvoir consulter votre carnet de vol sont les
70                             membres des groupes auxquels vous appartenez et vous-même</td>
71                         </tr>
72                         <tr>
73                             <td>Est-ce que tout le monde
74                             peut modifier mon carnet de vol?</td>
75                             <td>Non. Vous êtes la seule
76                             personne à pouvoir modifier vos vols</td>
77                         </tr>
78                         <tr>
79                             <td>J'ai une erreur lors de
80                             l'importation d'images.</td>
81                             <td>Vérifiez que l'images
82                             que vous importez soit a l'un des formats suivants: .gif,.png,.
83                             jpeg ou .jpg. Vérifiez aussi que la taille des images est infé
84                             rieur à 3Mo par image et que le total des images ne dépasse pas
85                             70Mo</td>
86                         </tr>

```

```

69         <tr>
70             <td>J'ai mis un mot de passe
              érroné, puis-je le changer?</td>
71             <td>Oui, pour le changer, il
              faut aller sous: "Modifier mon profile" et remplir les champs
              demandés</td>
72         </tr>
73         <tr>
74             <td>Si j'entre 2 vols qui se
              passent en même temps, est-ce qu'un vol seras annulé ou supprimé
              ?</td>
75             <td>Non, Vous pouvez
              enregistrer autant de vols que vous voulez dans la même période
              de temps qu'un autre vol</td>
76         </tr>
77         <tr>
78             <td>Je n'ai que l'heure de d
              émarrage moteur, est-ce que je peut l'enregistrer</td>
79             <td>Oui mais vous devez
              aussi mettre une heure d'arret moteur. Sans quoi, l'heure ne
              seras pas enregistrée</td>
80         </tr>
81         <tr>
82             <td>J'ai une question
              technique, qui doit-je contacter?</td>
83             <td>Si vous avez une
              questions, contactez nous par mail à l'adresse suivante:
              admin@flightclub.ch</td>
84         </tr>
85     </tbody>
86 </table>
87 </div>
88 </form>
89 </div>
90 </section>
91 </main><!-- End: Contact Us Form -->
92 </div>
93 <!-- Start: Footer Dark -->
94 <?php
95 require_once("../assets/php/footer.php");
96 ?>
97 <!-- End: Footer Dark -->
98 <script src="assets/bootstrap/js/bootstrap.min.js?h=1
eb47230ed13e88113270f63f470e160"></script>
99 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
js/1.10.0/baguetteBox.min.js"></script>
100 <script src="assets/js/vanilla-zoom.js?h=6
a37ea9c996b05f763161c73127d66bc"></script>
101 <script src="assets/js/theme.js?h=

```

```
102     a083aeb15550c5e1266c666e8a5846d9"></script>  
103 </body>  
104 </html>
```

Listing 12: *FAQ.php*

2.7 FlightDetail.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Detailed flight page here
7  */
8
9 require_once("../controllers/flightDetail_controller.php");
10
11 ?>
12 <!DOCTYPE html>
13 <html lang="fr">
14
15 <head>
16     <meta charset="utf-8">
17     <meta name="viewport" content="width=device-width, initial-scale
18     =1.0, shrink-to-fit=no">
19     <title>Détails du vol - Flight Club</title>
20     <meta name="description" content="TPI GOLAY Brian">
21     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
22     css?h=2fc55c83fda89d85c10ec2813155ab55">
23     <link rel="manifest" href="manifest.json?h=44264
24     fee9c6d05944711595970c43d33">
25     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
26     family=Montserrat:400,400i,700,700i,600,600i">
27     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
28     css?h=320bd0471c3e8d6b9dd55c98e185506c">
29     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
30     css?h=320bd0471c3e8d6b9dd55c98e185506c">
31     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=320
32     bd0471c3e8d6b9dd55c98e185506c">
33     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
34     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
35     <link rel="stylesheet" href="assets/css/vanilla-zoom.min.css?h=
36     e737f76df021b46fa7180f48799a5d20">
37 </head>
38
39 <body style="display: flex;flex-direction: column;height: 100vh;">
40     <div style="flex: 1 0 auto;">
41         <?php
42         require_once("../assets/php/nav.php");
43         ?>
44         <!-- Start: Contact Us Form -->
45         <main class="page login-page">
46             <section class="clean-block clean-form dark">
47                 <div class="container">
```



```

39         <div class="block-heading">
40             <h2 class="text-info">Détails du vol</h2>
41             <p>Votre vol en détail</p>
42         </div>
43         <form style="max-width: 100%;">
44             <div class="table-responsive">
45                 <h2 class="text-info">Aéronef</h2>
46                 <table class="table">
47                     <thead>
48                         <tr>
49                             <th>Type</th>
50                             <th>Immatriculation</th>
51                         </tr>
52                     </thead>
53                     <tbody>
54                         <tr>
55                             <td><?=$userFlight['Nm_Plane
56                             <td><?=$userFlight['No_Plane
57                             </tr>
58                         </tbody>
59                     </table>
60                 <h2 class="text-info">Emplacement</h2>
61                 <table class="table">
62                     <thead>
63                         <tr>
64                             <th>Départ</th>
65                             <th>Arrivée</th>
66                         </tr>
67                     </thead>
68                     <tbody>
69                         <tr>
70                             <td><?=$userFlight['
71                             <td><?=$userFlight['
72                             </tr>
73                         </tbody>
74                     </table>
75                 <h2 class="text-info">Durée</h2>
76                 <table class="table">
77                     <thead>
78                         <tr>
79                             <th>Départ</th>
80                             <th>Arrivée</th>
81                             <th>Total</th>
82                         </tr>
83                     </thead>

```

```

84         <tbody>
85             <tr>
86                 <td><?=$userFlight['
Dttm_Departure']?></td>
87                 <td><?=$userFlight['
Dttm_Arrival']?></td>
88                 <td><?=computeTotalTime(
$userFlight['Dttm_Departure'],$userFlight['Dttm_Arrival'])?></td>
89             </tr>
90         </tbody>
91         <thead>
92             <tr>
93                 <th>Moteur allumé</th>
94                 <th>Moteur éteint</th>
95             </tr>
96         </thead>
97         <tbody>
98             <tr>
99                 <td><?=$userFlight['
Tm_Engine_On']?></td>
100                 <td><?=$userFlight['
Tm_Engine_Off']?></td>
101             </tr>
102         </tbody>
103     </table>
104     <h2 class="text-info">Météo</h2>
105     <table class="table">
106         <thead>
107             <tr>
108                 <th>Rapport du vol</th>
109             </tr>
110         </thead>
111         <tbody>
112             <tr>
113                 <td><?=$userFlight['
Txt_Meteo']?></td>
114             </tr>
115         </tbody>
116     </table>
117     <h2 class="text-info">Informations compl
émentaires</h2>
118     <table class="table">
119         <thead>
120             <tr>
121                 <th>Passagers</th>
122                 <th>Type de vol</th>
123                 <th>Mode de vol</th>
124                 <th>Vol</th>
125                 <th>Role</th>

```

```

126         </tr>
127     </thead>
128     <tbody>
129         <tr>
130             <td><?=$userFlight['
131             Nb_Passengers']?></td>
132             <td><?=$userFlight['
133             Cd_Flight_Type']?></td>
134             <td><?=$userFlight['
135             Cd_Flight_Mode']?></td>
136             <td><?=$userFlight['
137             No_Flight']?></td>
138             <td><?=$pilotOfThisFlight['
139             Cd_Role']?></td>
140         </tr>
141     </tbody>
142 </table>
143 <h2 class="text-info">Notes</h2>
144 <table class="table">
145     <thead>
146         <tr>
147             <th>Notes du vol</th>
148         </tr>
149     </thead>
150     <tbody>
151         <tr>
152             <td><?=$userFlight['Txt_Note
153             ']?></td>
154         </tr>
155     </tbody>
156 </table>
157 <h2 class="text-info">Images</h2>
158 <table class="table">
159     <thead>
160         <tr>
161             <th>Images du vol</th>
162         </tr>
163     </thead>
164     <tbody>
165         <tr>
166             <td><?=showAllPicturesFromTheFlight(
167             $flightId)?>
168         </td>
169     </tbody>
170 </table>
171 </div>
172 </form>
173 </div>
174 </section>
175 </main><!-- End: Contact Us Form -->
176 </div>

```

```
168 <!-- Start: Footer Dark -->
169 <?php
170 require_once("../assets/php/footer.php");
171 ?>
172 <!-- End: Footer Dark -->
173 <script src="assets/bootstrap/js/bootstrap.min.js?h=1
eb47230ed13e88113270f63f470e160"></script>
174 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
js/1.10.0/baguetteBox.min.js"></script>
175 <script src="assets/js/vanilla-zoom.js?h=6
a37ea9c996b05f763161c73127d66bc"></script>
176 <script src="assets/js/theme.js?h=
a083aeb15550c5e1266c666e8a5846d9"></script>
177 </body>
178
179 </html>
```

Listing 13: FlightDetail.php

2.8 FlightEdit.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Edit flight page here
7  */
8
9 require_once("../controllers/flightEdit_controller.php");
10
11 ?>
12 <!DOCTYPE html>
13 <html lang="fr">
14
15 <head>
16     <meta charset="utf-8">
17     <meta name="viewport" content="width=device-width, initial-scale
18     =1.0, shrink-to-fit=no">
19     <title>Éditer un vol - Flight Club</title>
20     <meta name="description" content="TPI GOLAY Brian">
21     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
22     css?h=2fc55c83fda89d85c10ec2813155ab55">
23     <link rel="manifest" href="manifest.json?h=44264
24     fee9c6d05944711595970c43d33">
25     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
26     family=Montserrat:400,400i,700,700i,600,600i">
27     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
28     css?h=320bd0471c3e8d6b9dd55c98e185506c">
29     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
30     css?h=320bd0471c3e8d6b9dd55c98e185506c">
31     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=320
32     bd0471c3e8d6b9dd55c98e185506c">
33     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
34     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
35     <link rel="stylesheet" href="assets/css/vanilla-zoom.min.css?h=
36     e737f76df021b46fa7180f48799a5d20">
37 </head>
38
39 <body style="display: flex;flex-direction: column;height: 100vh;">
40     <div style="flex: 1 0 auto;">
41         <?php
42         require_once("../assets/php/nav.php");
43         ?>
44         <!-- Start: Contact Us Form -->
45         <main class="page login-page">
46             <section class="clean-block clean-form dark">
47                 <div class="container">
```

```

39         <div class="block-heading">
40             <h2 class="text-info">Éditer un vol</h2>
41             <p>Modifiez votre vol en détail</p>
42         </div>
43         <form style="max-width: 100%;" method="POST"
44         action="" enctype="multipart/form-data">
45             <?php if ($message != "") {
46
47                 <?php foreach ($message as $key => $value) {
48
49                     <div class="alert alert-danger alert-
50 -dismissible fade show" role="alert">
51                         <strong>Erreur !</strong> <?=
52 $value ?>
53                     </div>
54
55                     <?php }
56                 } ?>
57
58                 <?php if ($successMessage != "") {
59
60                     <div class="alert alert-success alert-
61 -dismissible fade show" role="alert">
62                         <strong>Succès !</strong> <?=
63 $successMessage ?>
64                     </div>
65
66                     <?php
67                 } ?>
68
69                 <div class="table-responsive">
70                     <h2 class="text-info">Aéronef</h2>
71                     <table class="table">
72                         <thead>
73                             <tr>
74                                 <th>Type</th>
75                                 <th>Immatriculation</th>
76                             </tr>
77                         </thead>
78                         <tbody>
79                             <tr>
80                                 <td>
81                                     <div class="mb-3"><input
82                                     class="form-control item" type="text" id="Nm_Plane" name="
83 Nm_Plane" placeholder="Ex: Tecnam P2002" maxlength="45" value="
84 <?= $userFlight['Nm_Plane'] ?>" required></div>
85                                 </td>
86                                 <td>
87                                     <div class="mb-3"><input
88                                     class="form-control item" type="text" id="No_Plane" name="
89 No_Plane" required placeholder="Ex: F-XXXX" style="text-transform
90 :uppercase" maxlength="45" value="<?= $userFlight['No_Plane'] ?>"
91 ></div>

```

```

76         </td>
77     </tr>
78 </tbody>
79 </table>
80 <h2 class="text-info">Emplacement </h2>
81 <table class="table">
82     <thead>
83         <tr>
84             <th>Départ </th>
85             <th>Arrivée </th>
86         </tr>
87     </thead>
88     <tbody>
89         <tr>
90             <td>
91                 <div class="mb-3"><input
class="form-control item" type="text" id="Cd_ICAO_Departure"
name="Cd_ICAO_Departure" style="text-transform:uppercase"
required placeholder="Ex: LFHN" minlength="4" maxlength="4" value
="<?=$userFlight['Cd_ICAO_Departure'] ?>"></div>
92             </td>
93             <td>
94                 <div class="mb-3"><input
class="form-control item" type="text" id="Cd_ICAO_Arrival" name=
"Cd_ICAO_Arrival" style="text-transform:uppercase" required
placeholder="Ex: LSMP" minlength="4" maxlength="4" value="<?=$
userFlight['Cd_ICAO_Arrival'] ?>"></div>
95             </td>
96         </tr>
97     </tbody>
98 </table>
99 <h2 class="text-info">Durée </h2>
100 <table class="table">
101     <thead>
102         <tr>
103             <th>Départ </th>
104             <th>Arrivée </th>
105             <th>Total </th>
106         </tr>
107     </thead>
108     <tbody>
109         <tr>
110             <td>
111                 <div class="mb-3"><input
class="form-control item" type="datetime-local" id="
Dttm_Departure" name="Dttm_Departure" value="<?=$
goodDateTimeDepartureFormat ?>" required></div>
112             </td>
113             <td>

```

```

114         <div class="mb-3"><input
        class="form-control item" type="datetime-local" id="Dttm_Arrival"
        name="Dttm_Arrival" value="<?= $goodDateTimeArrivalFormat ?>"
        required></div>
115     </td>
116     <td><?= computeTotalTime(
        $userFlight['Dttm_Departure'], $userFlight['Dttm_Arrival']) ?></td>
117 </tr>
118 </tbody>
119 <thead>
120     <tr>
121         <th>Moteur allumé</th>
122         <th>Moteur éteint</th>
123     </tr>
124 </thead>
125 <tbody>
126     <tr>
127         <td>
128             <div class="mb-3"><input
        class="form-control item" type="time" id="Tm_Engine_On" name="
        Tm_Engine_On" value="<?= $userFlight['Tm_Engine_On'] ?>"></div>
129         </td>
130         <td>
131             <div class="mb-3"><input
        class="form-control item" type="time" id="Tm_Engine_Off" name="
        Tm_Engine_Off" value="<?= $userFlight['Tm_Engine_Off'] ?>"></div>
132         </td>
133     </tr>
134 </tbody>
135 </table>
136 <h2 class="text-info">Météo</h2>
137 <table class="table">
138     <thead>
139         <tr>
140             <th>Rapport du vol</th>
141         </tr>
142     </thead>
143     <tbody>
144         <tr>
145             <td>
146                 <div class="mb-3"><
        textarea class="form-control" id="Txt_Meteo" rows="3" name="
        Txt_Meteo" required placeholder="Ex: LSMP 060520Z AUTO VRB01KT
        9999NDV BKN087 07/02 Q1012 RMK" maxlength="512"><?= $userFlight['
        Txt_Meteo'] ?></textarea></div>
147             </td>
148         </tr>
149     </tbody>

```



```

150         </table>
151         <h2 class="text-info">Informations compl
    émentaires</h2>
152         <table class="table">
153             <thead>
154                 <tr>
155                     <th>Passagers</th>
156                     <th>Type de vol</th>
157                     <th>Mode de vol</th>
158                     <th>Vol</th>
159                     <th>Role</th>
160                 </tr>
161             </thead>
162             <tbody>
163                 <tr>
164                     <td>
165                         <div class="mb-3"><input
    class="form-control item" type="number" id="Nb_Passengers" name=
    "Nb_Passengers" required min="0" max="99999999999" value="<?=
    $userFlight['Nb_Passengers'] ?>"></div>
166                     </td>
167                     <td>
168                         <div class="mb-3"><input
    class="form-control item" type="text" id="Cd_Flight_Type" name="
    Cd_Flight_Type" required placeholder="Ex: Navigation" maxlength="
    45" value="<?= $userFlight['Cd_Flight_Type'] ?>"></div>
169                     </td>
170                     <td>
171                         <div class="mb-3"><input
    class="form-control item" type="text" id="Cd_Flight_Mode" name="
    Cd_Flight_Mode" required placeholder="Ex: Solo" maxlength="45"
    value="<?= $userFlight['Cd_Flight_Mode'] ?>"></div>
172                     </td>
173                     <td>
174                         <div class="mb-3"><input
    class="form-control item" type="text" id="No_Flight" name="
    No_Flight" required style="text-transform:uppercase" placeholder=
    "VFR, IFR, ..." value="<?= $userFlight['No_Flight'] ?>" required
    ></div>
175                     </td>
176                     <td>
177                         <div class="mb-3">
178                             <div class="mb-3"><
    select class="form-select" name="Cd_Role" id="Cd_Role">
179                                     <?php
180                                     if (
    $pilotOfThisFlight['Cd_Role'] == "Pilot Flying") {
181                                     <?>
182                                     <option

```

```

value="Pilot Flying" selected>PF (Pilot Flying, Pilote qui pilote
)</option>
183                                     <?php
184                                     } else {
185                                     ?>
186                                     <option
value="Pilot Flying">PF (Pilot Flying, Pilote qui pilote)</option
>
187                                     <?php
188                                     }
189                                     if (
$piilotOfThisFlight['Cd_Role'] == "Pilot not flying") {
190                                     ?>
191                                     <option
value="Pilot not flying" selected>PNF (Pilot Not Flying, Pilote
qui ne pilote pas)</option>
192                                     <?php
193                                     } else {
194                                     ?>
195                                     <option
value="Pilot not flying">PNF (Pilot Not Flying, Pilote qui ne
pilote pas)</option>
196                                     <?php
197                                     }
198                                     if (
$piilotOfThisFlight['Cd_Role'] == "Passenger") {
199                                     ?>
200                                     <option
value="Passenger" selected>PAX (Passager)</option>
201                                     <?php
202                                     } else {
203                                     ?>
204                                     <option
value="Passenger">PAX (Passager)</option>
205                                     <?php
206                                     }
207                                     ?>
208
209                                     </select></div>
210                                     </td>
211                                     </tr>
212                                     </tbody>
213                                     </table>
214                                     <h2 class="text-info">Notes</h2>
215                                     <table class="table">
216                                     <thead>
217                                     <tr>
218                                     <th>Notes du vol</th>
219                                     </tr>

```

```

220         </thead>
221         <tbody>
222             <tr>
223                 <td>
224                     <div class="mb-3"><
textarea class="form-control" id="Txt_Note" rows="3" name="
Txt_Note" maxlength="1024"><?= $userFlight['Txt_Note'] ?></
textarea></div>
225                 </td>
226             </tr>
227         </tbody>
228     </table>
229     <h2 class="text-info">Images</h2>
230     <table class="table">
231         <thead>
232             <tr>
233                 <th>Images du vol</th>
234             </tr>
235         </thead>
236         <tbody id="pictureContainer">
237             <div id="loading"></div>
238             <div id="error"></div>
239             <?= showAllPicturesFromTheFlight
($flightId) ?>
240         </tbody>
241     </table>
242     </div>
243     <input type="hidden" name="deletedImg" id="
deletedImg" value="">
244     <div class="mb-3"><input type="file" files
name="media[]" multiple accept=".png, .gif, .jpg, .jpeg">(.gif,.
png,.jpeg,.jpg seulement)</div>
245     <button class="btn btn-primary" type="submit
" name="btnModify" value="Modify">Modifier le vol</button>
246     </form>
247 </div>
248 </section>
249 </main><!-- End: Contact Us Form -->
250 </div>
251 <!-- Start: Footer Dark -->
252 <?php
253 require_once("../assets/php/footer.php");
254 ?>
255 <!-- End: Footer Dark -->
256 <!-- javascript code --->
257 <script type="text/javascript">
258     /**
259     * Function that remove an image from the database and the
server

```

```
260      *
261      * @param int idToDelete
262      * @return void
263      */
264      function deleteJS(idToDelete) {
265          //we initialize our variable with the content location
266          var idContainer = document.getElementById("deletedImg").
value += idToDelete + ",";
267          var imgToHide = document.getElementById(idToDelete);
268
269          imgToHide.innerHTML = "";
270          console.log(idContainer)
271      }
272      </script>
273      <script src="assets/bootstrap/js/bootstrap.min.js?h=1
eb47230ed13e88113270f63f470e160"></script>
274      <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
js/1.10.0/baguetteBox.min.js"></script>
275      <script src="assets/js/vanilla-zoom.js?h=6
a37ea9c996b05f763161c73127d66bc"></script>
276      <script src="assets/js/theme.js?h=
a083aeb15550c5e1266c666e8a5846d9"></script>
277 </body>
278
279 </html>
```

Listing 14: FlightEdit.php

2.9 GroupCreate.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Create group page here
7  */
8
9 require_once("../controllers/groupCreate_controller.php");
10
11 ?>
12 <!DOCTYPE html>
13 <html lang="fr">
14
15 <head>
16     <meta charset="utf-8">
17     <meta name="viewport" content="width=device-width, initial-scale
18     =1.0, shrink-to-fit=no">
19     <title>Invitations de groupes - Flight Club</title>
20     <meta name="description" content="Flight Club">
21     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
22     css?h=dce1ced0acba79984dca99bab3de3321">
23     <link rel="manifest" href="manifest.json?h=3376
24     faf9af9d01ed3ad3ca66d606c630">
25     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
26     family=Montserrat:400,400i,700,700i,600,600i">
27     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
28     css?h=2cbf12caab31562d03bae9544edcad5f">
29     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
30     css?h=2cbf12caab31562d03bae9544edcad5f">
31     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=2
32     cbf12caab31562d03bae9544edcad5f">
33     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
34     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
35     <link rel="stylesheet" href="assets/css/styles.min.css?h=2528
36     b47b032341ce951bad4eb7bec58f">
37 </head>
38
39 <body style="display: flex;flex-direction: column;height: 100vh;">
40     <div style="flex: 1 0 auto;">
41         <?php
42         require_once("../assets/php/nav.php");
43         ?>
44         <main class="page login-page">
45             <section class="clean-block clean-form dark">
46                 <div class="container">
47                     <div class="block-heading">
```

```

39         <h2 class="text-info">Créer un groupe</h2>
40         <p>Créer un groupe et invitez vos amis a
vous rejoindre</p>
41     </div>
42     <form method="POST" action="">
43         <?php if ($message != "") { ?>
44             <div class="alert alert-success alert-
dismissible fade show" role="alert">
45                 <strong>Succès !</strong> <?=
$message ?>
46             </div>
47         <?php } ?>
48         <?php if ($errorMessage != "") { ?>
49             <div class="alert alert-danger alert-
dismissible fade show" role="alert">
50                 <strong>Erreur !</strong> <?=
$errorMessage ?>
51             </div>
52         <?php } ?>
53         <div class="mb-3"><label class="form-label"
for="name">Nom du groupe</label><input class="form-control item"
type="text" id="name" name="name" required maxlength="100"></div>
54         <div class="mb-3"> <input type="submit"
class="btn btn-primary" value="Créer"></div>
55     </form>
56 </div>
57 </section>
58 </main>
59 </div><!-- Start: Footer Dark -->
60 <?php
61 require_once("../assets/php/footer.php");
62 ?>
63 <!-- End: Footer Dark -->
64 <script src="assets/bootstrap/js/bootstrap.min.js?h=0
de0a05340ecfd010938b6967a030757"></script>
65 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
js/1.10.0/baguetteBox.min.js"></script>
66 <script src="assets/js/script.min.js?h=
d28daa69ae332709e94e8243f638cce6"></script>
67 </body>
68
69 </html>

```

Listing 15: GroupCreate.php

2.10 GroupInviteAMember.php

```

1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Invite a group member page here
7  */
8
9 require_once("../controllers/groupInviteAMember_controller.php");
10
11 ?>
12 <!DOCTYPE html>
13 <html lang="fr">
14
15 <head>
16     <meta charset="utf-8">
17     <meta name="viewport" content="width=device-width, initial-scale
18     =1.0, shrink-to-fit=no">
19     <title>Inviter au groupe - Flight Club</title>
20     <meta name="description" content="Flight Club">
21     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
22     css?h=dce1ced0acba79984dca99bab3de3321">
23     <link rel="manifest" href="manifest.json?h=3376
24     faf9af9d01ed3ad3ca66d606c630">
25     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
26     family=Montserrat:400,400i,700,700i,600,600i">
27     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
28     css?h=2cbf12caab31562d03bae9544edcad5f">
29     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
30     css?h=2cbf12caab31562d03bae9544edcad5f">
31     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=2
32     cbf12caab31562d03bae9544edcad5f">
33     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
34     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
35     <link rel="stylesheet" href="assets/css/styles.min.css?h=2528
36     b47b032341ce951bad4eb7bec58f">
37 </head>
38
39 <body style="display: flex;flex-direction: column;height: 100vh;">
40     <div style="flex: 1 0 auto;">
41         <?php
42         require_once("../assets/php/nav.php");
43         ?>
44         <main class="page login-page">
45             <section class="clean-block clean-form dark">
46                 <div class="container">
47                     <div class="block-heading">

```

```

39         <h2 class="text-info"><?= groupName(
    $groupDATA) ?></h2>
40         <p>Inviter au groupe "<?= groupName(
    $groupDATA) ?>" </p>
41     </div>
42     <form method="POST" action="">
43         <?php if ($errorMessage != "") { ?>
44             <div class="alert alert-danger alert-
    dismissible fade show" role="alert">
45                 <strong>Erreur !</strong> <?=
    $errorMessage ?>
46             </div>
47             <?php } ?>
48             <?php if ($successMessage != "") { ?>
49                 <div class="alert alert-success alert-
    dismissible fade show" role="alert">
50                     <strong>Succès !</strong> <?=
    $successMessage ?>
51                 </div>
52                 <?php } ?>
53                 <div class="mb-3"><label class="form-label"
    for="email">Email</label><input class="form-control item" type="
    email" id="email" name="email" required></div>
54                 <input type="submit" value="Inviter un
    membre" class="btn btn-primary">
55             </form>
56         </div>
57     </section>
58 </main>
59 </div><!-- Start: Footer Dark -->
60 <?php
61 require_once("../assets/php/footer.php");
62 ?>
63 <!-- End: Footer Dark -->
64 <script src="assets/bootstrap/js/bootstrap.min.js?h=0
    de0a05340ecfd010938b6967a030757"></script>
65 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
    js/1.10.0/baguetteBox.min.js"></script>
66 <script src="assets/js/script.min.js?h=
    d28daa69ae332709e94e8243f638cce6"></script>
67 </body>
68
69 </html>

```

Listing 16: GroupInviteAMember.php

2.11 GroupInvites.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Group invites page here
7  */
8
9 require_once("../controllers/groupInvites_controller.php");
10
11 ?>
12 <!DOCTYPE html>
13 <html lang="fr">
14
15 <head>
16     <meta charset="utf-8">
17     <meta name="viewport" content="width=device-width, initial-scale
18     =1.0, shrink-to-fit=no">
19     <title>Invitations de groupes - Flight Club</title>
20     <meta name="description" content="Flight Club">
21     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
22     css?h=dce1ced0acba79984dca99bab3de3321">
23     <link rel="manifest" href="manifest.json?h=3376
24     faf9af9d01ed3ad3ca66d606c630">
25     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
26     family=Montserrat:400,400i,700,700i,600,600i">
27     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
28     css?h=2cbf12caab31562d03bae9544edcad5f">
29     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
30     css?h=2cbf12caab31562d03bae9544edcad5f">
31     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=2
32     cbf12caab31562d03bae9544edcad5f">
33     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
34     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
35     <link rel="stylesheet" href="assets/css/styles.min.css?h=2528
36     b47b032341ce951bad4eb7bec58f">
37 </head>
38
39 <body style="display: flex;flex-direction: column;height: 100vh;">
40     <div style="flex: 1 0 auto;">
41         <?php
42         require_once("../assets/php/nav.php");
43         ?>
44         <main class="page login-page">
45             <section class="clean-block clean-form dark">
46                 <div class="container">
47                     <div class="block-heading">
```

```

39         <h2 class="text-info">Mes invitations</h2>
40         <p>Accéptez ou refusez les invitations de
groupes</p>
41     </div>
42     <form method="POST" action="">
43         <?php if ($successMessage != "") { ?>
44             <div class="alert alert-success alert-
dismissible fade show" role="alert">
45                 <strong>Succès !</strong> <?=
$successMessage ?>
46             </div>
47             <?php } ?>
48             <div class="table-responsive">
49                 <table class="table">
50                     <?php
51                         showInvites();
52                     ?>
53                 </table>
54             </div>
55         </form>
56     </div>
57 </section>
58 </main>
59 </div><!-- Start: Footer Dark -->
60 <?php
61     require_once("../assets/php/footer.php");
62     ?>
63 <!-- End: Footer Dark -->
64 <script src="assets/bootstrap/js/bootstrap.min.js?h=0
de0a05340ecfd010938b6967a030757"></script>
65 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
js/1.10.0/baguetteBox.min.js"></script>
66 <script src="assets/js/script.min.js?h=
d28daa69ae332709e94e8243f638cce6"></script>
67 </body>
68
69 </html>

```

Listing 17: GroupInvites.php

2.12 GroupLogbook.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Group logbook page here
7  */
8
9 require_once("../controllers/groupLogBook_controller.php");
10
11 ?>
12 <!DOCTYPE html>
13 <html lang="fr">
14
15 <head>
16     <meta charset="utf-8">
17     <meta name="viewport" content="width=device-width, initial-scale
18     =1.0, shrink-to-fit=no">
19     <title>Carnet de vol de groupe - Flight Club</title>
20     <meta name="description" content="TPI GOLAY Brian">
21     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
22     css?h=2fc55c83fda89d85c10ec2813155ab55">
23     <link rel="manifest" href="manifest.json?h=44264
24     fee9c6d05944711595970c43d33">
25     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
26     family=Montserrat:400,400i,700,700i,600,600i">
27     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
28     css?h=320bd0471c3e8d6b9dd55c98e185506c">
29     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
30     css?h=320bd0471c3e8d6b9dd55c98e185506c">
31     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=320
32     bd0471c3e8d6b9dd55c98e185506c">
33     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
34     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
35     <link rel="stylesheet" href="assets/css/vanilla-zoom.min.css?h=
36     e737f76df021b46fa7180f48799a5d20">
37 </head>
38
39 <body style="display: flex;flex-direction: column;height: 100vh;">
40     <div style="flex: 1 0 auto;">
41         <?php
42         require_once("../assets/php/nav.php");
43         ?>
44         <!-- Start: User Log Book Form -->
45         <main class="page login-page">
46             <section class="clean-block clean-form dark">
47                 <div class="container-fluid">
```

```

39         <div class="block-heading">
40             <h2 class="text-info">Vols du groupe "<?=
groupName($groupDATA)?>"</h2>
41             <p>Total des heures: <?=computeTotal(
$groupUser)?></p>
42         </div>
43         <form style="max-width: 100%;">
44             <div class="table-responsive">
45                 <table class="table">
46                     <thead>
47                         <tr>
48                             <th>Vol</th>
49                             <th>Date du décollage</th>
50                             <th>Date de l'atterrissage</
th>
51                             <th>Heure de démarrage
moteur</th>
52                             <th>Heure de moteur coupé</
th>
53                             <th>Modèle d'avion</th>
54                             <th>Immatriculation</th>
55                             <th>Aérodrome de départ</th>
56                             <th>Aérodrome d'arrivée</th>
57                             <th>Type de vol</th>
58                             <th>Mode de vol</th>
59                             <th>Role</th>
60                             <th>Détails</th>
61                         </tr>
62                     </thead>
63                     <tbody>
64                         <?php
showFlight($groupUser);
65                         ?>
66                     </tbody>
67                 </table>
68             </div>
69         </form>
70     </div>
71 </section><!-- End: User Log Book Form -->
72 </main>
73 </div>
74 <!-- Start: Footer Dark -->
75 <?php
require_once("../assets/php/footer.php");
76 ?>
77 <!-- End: Footer Dark -->
78 <script src="assets/bootstrap/js/bootstrap.min.js?h=1
eb47230ed13e88113270f63f470e160"></script>
79 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
80
81

```

```
js/1.10.0/baguetteBox.min.js"></script>  
82 <script src="assets/js/vanilla-zoom.js?h=6  
a37ea9c996b05f763161c73127d66bc"></script>  
83 <script src="assets/js/theme.js?h=  
a083aeb15550c5e1266c666e8a5846d9"></script>  
84 </body>  
85  
86 </html>
```

Listing 18: GroupLogbook.php

2.13 GroupMemberList.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Group member list page here
7  */
8
9 require_once("../controllers/groupMember_controller.php");
10
11 ?>
12 <!DOCTYPE html>
13 <html lang="fr">
14
15 <head>
16     <meta charset="utf-8">
17     <meta name="viewport" content="width=device-width, initial-scale
18     =1.0, shrink-to-fit=no">
19     <title>Liste des utilisateurs de ce groupe - Flight Club</title>
20     <meta name="description" content="Flight Club">
21     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
22     css?h=dce1ced0acba79984dca99bab3de3321">
23     <link rel="manifest" href="manifest.json?h=3376
24     faf9af9d01ed3ad3ca66d606c630">
25     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
26     family=Montserrat:400,400i,700,700i,600,600i">
27     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
28     css?h=2cbf12caab31562d03bae9544edcad5f">
29     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
30     css?h=2cbf12caab31562d03bae9544edcad5f">
31     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=2
32     cbf12caab31562d03bae9544edcad5f">
33     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
34     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
35     <link rel="stylesheet" href="assets/css/styles.min.css?h=2528
36     b47b032341ce951bad4eb7bec58f">
37 </head>
38
39 <body style="display: flex;flex-direction: column;height: 100vh;">
40     <div style="flex: 1 0 auto;">
41         <?php
42         require_once("../assets/php/nav.php");
43         ?>
44         <main class="page login-page">
45             <section class="clean-block clean-form dark">
46                 <div class="container">
```

```

38         <div class="block-heading">
39             <h2 class="text-info"><?= groupName(
$groupDATA) ?></h2>
40             <p>Toutes les utilisateures du groupe "<?=
groupName($groupDATA) ?>" </p>
41         </div>
42         <form>
43             <div class="table-responsive">
44                 <table class="table">
45                     <thead>
46                         <tr>
47                             <th>Email</th>
48                             <th>Membre depuis</th>
49                         </tr>
50                     </thead>
51                     <tbody>
52                         <?php
53                         showGroupMembers($idGroup);
54                         ?>
55                     </tbody>
56                 </table>
57             </form>
58         </div>
59     </section>
60 </main>
61 </div><!-- Start: Footer Dark -->
62 <?php
63 require_once("../assets/php/footer.php");
64 ?>
65 <!-- End: Footer Dark -->
66 <script src="assets/bootstrap/js/bootstrap.min.js?h=0
de0a05340ecfd010938b6967a030757"></script>
67 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
js/1.10.0/baguetteBox.min.js"></script>
68 <script src="assets/js/script.min.js?h=
d28daa69ae332709e94e8243f638cce6"></script>
69 </body>
70
71 </html>

```

Listing 19: GroupMemberList.php

2.14 GroupMenu.php

```

1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * Group menu page here
6  */
7
8 require_once("../controllers/groupMenu_controller.php");
9
10 ?>
11 <!DOCTYPE html>
12 <html lang="fr">
13
14 <head>
15     <meta charset="utf-8">
16     <meta name="viewport" content="width=device-width, initial-scale
17     =1.0, shrink-to-fit=no">
18     <title>Menu de groupe - Flight Club</title>
19     <meta name="description" content="Flight Club">
20     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
21     css?h=dce1ced0acba79984dca99bab3de3321">
22     <link rel="manifest" href="manifest.json?h=3376
23     faf9af9d01ed3ad3ca66d606c630">
24     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
25     family=Montserrat:400,400i,700,700i,600,600i">
26     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
27     css?h=2cbf12caab31562d03bae9544edcad5f">
28     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
29     css?h=2cbf12caab31562d03bae9544edcad5f">
30     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=2
31     cbf12caab31562d03bae9544edcad5f">
32     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
33     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
34     <link rel="stylesheet" href="assets/css/styles.min.css?h=2528
35     b47b032341ce951bad4eb7bec58f">
36 </head>
37
38 <body style="display: flex;flex-direction: column;height: 100vh;">
39     <div style="flex: 1 0 auto;">
40         <?php
41         require_once("../assets/php/nav.php");
42         ?>
43         <main class="page login-page">
44             <section class="clean-block clean-form dark">
45                 <div class="container">
46                     <div class="block-heading">
47                         <h2 class="text-info">Groupes</h2>

```



```

39         <p>Gérez vos groupes!</p>
40     </div>
41     <form>
42         <table>
43             <tr>
44                 <td><a href="?page=invite" class="
45 btn btn-primary">Mes invitations</a></td>
46                 <td><a href="?page=myGroupes" class="
47 btn btn-primary">Mes groupes</a></td>
48                 <td><a href="?page=createGroups"
49 class="btn btn-primary">Créer un groupe</a></td>
50             </tr>
51         </table>
52     </form>
53 </div>
54 </section>
55 </main>
56 </div><!-- Start: Footer Dark -->
57 <?php
58 require_once("../assets/php/footer.php");
59 ?>
60 <!-- End: Footer Dark -->
61 <script src="assets/bootstrap/js/bootstrap.min.js?h=0
62 de0a05340ecfd010938b6967a030757"></script>
63 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
64 js/1.10.0/baguetteBox.min.js"></script>
65 <script src="assets/js/script.min.js?h=
66 d28daa69ae332709e94e8243f638cce6"></script>
67 </body>
68 </html>

```

Listing 20: GroupMenu.php

2.15 Index.php

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * Homepage page
6  */
7 ?>
8 <!DOCTYPE html>
9 <html lang="fr">
10
11 <head>
12     <meta charset="utf-8">
13     <meta name="viewport" content="width=device-width, initial-scale
14     =1.0, shrink-to-fit=no">
15     <title>Accueil - Flight Club</title>
16     <meta name="description" content="TPI GOLAY Brian">
17     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
18     css?h=2fc55c83fda89d85c10ec2813155ab55">
19     <link rel="manifest" href="manifest.json?h=44264
20     fee9c6d05944711595970c43d33">
21     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
22     family=Montserrat:400,400i,700,700i,600,600i">
23     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
24     css?h=320bd0471c3e8d6b9dd55c98e185506c">
25     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
26     css?h=320bd0471c3e8d6b9dd55c98e185506c">
27     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=320
28     bd0471c3e8d6b9dd55c98e185506c">
29     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
30     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
31     <link rel="stylesheet" href="assets/css/vanilla-zoom.min.css?h=
32     e737f76df021b46fa7180f48799a5d20">
33 </head>
34
35 <body style="display: flex;flex-direction: column;height: 100vh;">
36     <div style="flex: 1 0 auto;">
37         <?php
38         require_once("../assets/php/nav.php");
39         ?>
40         <main class="page landing-page">
41             <section class="clean-block clean-hero" style="background-
42             image: url(&quot;assets/img/HeadImg.png&quot;);color: rgba(9,
43             162, 255, 0.85);">
44                 <div class="text">
45                     <h2>Flight Club</h2>
46                     <?php
47                     if ($_SESSION['connected']) { ?>
```

```

37         <p>Un carnet de vol disponible partout dans
le monde</p><a class="btn btn-outline-light btn-lg" href="?page=
loginbook">Enregistrer un vol</a>
38         <?php
39         } else { ?>
40         <p>Un carnet de vol disponible partout dans
le monde</p><a class="btn btn-outline-light btn-lg" href="?page=
login">Enregistrer un vol</a>
41         <?php }
42         ?>
43
44     </div>
45 </section>
46 <section class="clean-block clean-info dark">
47     <div class="container">
48         <div class="block-heading">
49             <h2 class="text-info">Flight Club</h2>
50             <p>Vous en avez marre de noter vos heures de
vol dans votre carnet qui reste à l'aéroclub? Ne cherchez pas
plus loin, Flight Club est le carnet de vol disponible partout en
1 clique</p>
51         </div>
52         <div class="row align-items-center">
53             <div class="col-md-6"></div>
54             <div class="col-md-6">
55                 <h3>En équipe</h3>
56                 <div class="getting-started-info">
57                     <p>Rejoignez un groupe de passionnés
et volez sans retenue. Les heures de vol montent plus vite à
plusieurs</p>
58                 </div>
59                 <?php
60                 if ($_SESSION['connected']) { ?>
61                     <a class="btn btn-outline-primary btn-lg"
href="?page=groupMenu">Rejoindre un groupe</a>
62                 <?php
63                 } else { ?>
64                     <a class="btn btn-outline-primary btn-lg"
href="?page=login">Rejoindre un groupe</a>
65                 <?php }
66                 ?>
67             </div>
68         </div>
69     </div>
70 </section>
71 <section class="clean-block features">
72     <div class="container">

```

```

73         <div class="block-heading">
74             <h2 class="text-info">Fonctionnalités</h2>
75             <p>Un carnet de vol simple et accessible en
tout temps</p>
76         </div>
77         <div class="row justify-content-center">
78             <div class="col-md-5 feature-box"><i class="
far fa-paper-plane icon"></i>
79                 <h4>Rapide</h4>
80                 <p>Le site est rapide et léger</p>
81             </div>
82             <div class="col-md-5 feature-box"><i class="
icon-pencil icon"></i>
83                 <h4>Simple</h4>
84                 <p>Enregistrez vos vol est super-facile
</p>
85             </div>
86             <div class="col-md-5 feature-box"><i class="
typcn typcn-weather-partly-sunny icon"></i>
87                 <h4>Complet</h4>
88                 <p>Enregistrez les données de votre vol
comme jamais auparavant avec des détails importants<nbsp;</p>
89             </div>
90             <div class="col-md-5 feature-box"><i class="
icon-plane icon"></i>
91                 <h4>Accessible dans le monde entier</h4>
92                 <p>Accédez à vos données dans le monde
entier</p>
93             </div>
94         </div>
95     </div>
96 </section>
97 </main>
98 </div><!-- Start: Footer Dark -->
99 <?php
100 require_once("../assets/php/footer.php");
101 ?>
102 <!-- End: Footer Dark -->
103 <script src="assets/bootstrap/js/bootstrap.min.js?h=1
eb47230ed13e88113270f63f470e160"></script>
104 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
js/1.10.0/baguetteBox.min.js"></script>
105 <script src="assets/js/vanilla-zoom.js?h=6
a37ea9c996b05f763161c73127d66bc"></script>
106 <script src="assets/js/theme.js?h=
a083aeb15550c5e1266c666e8a5846d9"></script>
107 </body>
108

```

```
109 </html>
```

Listing 21: `Index.php`

2.16 Login.php

```

1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * login page here
7  */
8 require_once("../controllers/login_controller.php");
9 ?>
10 <!DOCTYPE html>
11 <html lang="fr">
12
13 <head>
14     <meta charset="utf-8">
15     <meta name="viewport" content="width=device-width, initial-scale
16     =1.0, shrink-to-fit=no">
17     <title>Login - Flight Club</title>
18     <meta name="description" content="Flight Club">
19     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
20     css?h=dce1ced0acba79984dca99bab3de3321">
21     <link rel="manifest" href="manifest.json?h=3376
22     faf9af9d01ed3ad3ca66d606c630">
23     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
24     family=Montserrat:400,400i,700,700i,600,600i">
25     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
26     css?h=2cbf12caab31562d03bae9544edcad5f">
27     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
28     css?h=2cbf12caab31562d03bae9544edcad5f">
29     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=2
30     cbf12caab31562d03bae9544edcad5f">
31     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
32     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
33     <link rel="stylesheet" href="assets/css/styles.min.css?h=2528
34     b47b032341ce951bad4eb7bec58f">
35 </head>
36
37 <body style="display: flex;flex-direction: column;height: 100vh;">
38     <div style="flex: 1 0 auto;">
39         <?php
40         require_once("../assets/php/nav.php");
41         ?>
42         <main class="page login-page">
43             <section class="clean-block clean-form dark">
44                 <div class="container">
45                     <div class="block-heading">
46                         <h2 class="text-info">Se connecter</h2>
47                         <p>Connectez vous pour enregistrer vos vols

```

```

39     </p>
40         </div>
41         <form method="POST" action="">
42             <?php if ($message != "") { ?>
43                 <div class="alert alert-danger alert-
dismissible fade show" role="alert">
44                     <strong>Erreur !</strong> <?=
$message ?>
45                 </div>
46                 <?php } ?>
47                 <div class="mb-3"><label class="form-label"
for="email">Email</label><input class="form-control item" type="
email" id="email" name="email" required value="<?=$email?>"></div>
48                 <div class="mb-3"><label class="form-label"
for="password">Mot de passe</label><input class="form-control"
type="password" id="password" name="password" required></div>
49                 <button class="btn btn-primary" type="submit
">Se connecter</button>
50             </form>
51         </div>
52     </section>
53 </main>
54 </div><!-- Start: Footer Dark -->
55 <?php
require_once("../assets/php/footer.php");
56 ?>
57 <!-- End: Footer Dark -->
58 <script src="assets/bootstrap/js/bootstrap.min.js?h=0
de0a05340ecfd010938b6967a030757"></script>
59 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
js/1.10.0/baguetteBox.min.js"></script>
60 <script src="assets/js/script.min.js?h=
d28daa69ae332709e94e8243f638cce6"></script>
61 </body>
62
63 </html>

```

Listing 22: Login.php

2.17 Logout.php

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * Log-out page
6  */
7 //start a session
8 session_start();
9 $_SESSION = array();
10 //remove all cookies and destroy the session
11 if (ini_get("session.use_cookies")) {
12     setcookie(session_name(), '', 0);
13 }
14 session_destroy();
15 //redirect the user to the homepage
16 header("Location: ./index.php?page=homepage");
17 exit;
```

Listing 23: Logout.php

2.18 MyGroup.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * My group page here
7  */
8
9 require_once("../controllers/myGroup_controller.php");
10
11 ?>
12 <!DOCTYPE html>
13 <html lang="fr">
14
15 <head>
16     <meta charset="utf-8">
17     <meta name="viewport" content="width=device-width, initial-scale
18     =1.0, shrink-to-fit=no">
19     <title>Mes groupes - Flight Club</title>
20     <meta name="description" content="Flight Club">
21     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
22     css?h=dce1ced0acba79984dca99bab3de3321">
23     <link rel="manifest" href="manifest.json?h=3376
24     faf9af9d01ed3ad3ca66d606c630">
25     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
26     family=Montserrat:400,400i,700,700i,600,600i">
27     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
28     css?h=2cbf12caab31562d03bae9544edcad5f">
29     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
30     css?h=2cbf12caab31562d03bae9544edcad5f">
31     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=2
32     cbf12caab31562d03bae9544edcad5f">
33     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
34     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
35     <link rel="stylesheet" href="assets/css/styles.min.css?h=2528
36     b47b032341ce951bad4eb7bec58f">
37 </head>
38
39 <body style="display: flex;flex-direction: column;height: 100vh;">
40     <div style="flex: 1 0 auto;">
41         <?php
42         require_once("../assets/php/nav.php");
43         ?>
44         <main class="page login-page">
45             <section class="clean-block clean-form dark">
46                 <div class="container">
47                     <div class="block-heading">
```

```

39         <h2 class="text-info">Groupes</h2>
40         <p>Gérez vos groupes!</p>
41     </div>
42     <form method="POST" action="">
43         <?php if ($errorMessage != "") { ?>
44             <div class="alert alert-danger alert-
dismissible fade show" role="alert">
45                 <strong>Erreur !</strong> <?=
$errorMessage ?>
46             </div>
47         <?php } ?>
48         <?php if ($successMessage != "") { ?>
49             <div class="alert alert-success alert-
dismissible fade show" role="alert">
50                 <strong>Succès !</strong> <?=
$successMessage ?>
51             </div>
52         <?php } ?>
53         <table>
54             <?php
55                 showGroups();
56             ?>
57         </table>
58     </form>
59 </div>
60 </section>
61 </main>
62 </div><!-- Start: Footer Dark -->
63 <?php
64     require_once("../assets/php/footer.php");
65     ?>
66 <!-- End: Footer Dark -->
67 <script src="assets/bootstrap/js/bootstrap.min.js?h=0
de0a05340ecfd010938b6967a030757"></script>
68 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
js/1.10.0/baguetteBox.min.js"></script>
69 <script src="assets/js/script.min.js?h=
d28daa69ae332709e94e8243f638cce6"></script>
70 </body>
71
72 </html>

```

Listing 24: MyGroup.php

2.19 Registration.php

```

1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * registration page
7  */
8 require_once("../controllers/registration_controller.php");
9 ?>
10 <!DOCTYPE html>
11 <html lang="fr">
12
13 <head>
14     <meta charset="utf-8">
15     <meta name="viewport" content="width=device-width, initial-scale
16     =1.0, shrink-to-fit=no">
17     <title>S'enregistrer - Flight Club</title>
18     <meta name="description" content="Flight Club">
19     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
20     css?h=2fc55c83fda89d85c10ec2813155ab55">
21     <link rel="manifest" href="manifest.json?h=44264
22     fee9c6d05944711595970c43d33">
23     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
24     family=Montserrat:400,400i,700,700i,600,600i">
25     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
26     css?h=320bd0471c3e8d6b9dd55c98e185506c">
27     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
28     css?h=320bd0471c3e8d6b9dd55c98e185506c">
29     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=320
30     bd0471c3e8d6b9dd55c98e185506c">
31     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
32     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
33     <link rel="stylesheet" href="assets/css/vanilla-zoom.min.css?h=
34     e737f76df021b46fa7180f48799a5d20">
35 </head>
36
37 <body style="display: flex;flex-direction: column;height: 100vh;">
38     <div style="flex: 1 0 auto;">
39         <?php
40             require_once("../assets/php/nav.php");
41             ?>
42
43         <main class="page registration-page">
44             <section class="clean-block clean-form dark">
45                 <div class="container">
46                     <div class="block-heading">
47                         <h2 class="text-info">S'enregistrer</h2>

```

```

39         <p>Vous n'avez pas de comptes et souhaitez
    enregistrer un vol? Vous êtes sur la bonne page</p>
40     </div>
41     <form method="POST" action="">
42         <?php if ($message != "") { ?>
43             <div class="alert alert-danger alert-
    dismissible fade show" role="alert">
44                 <strong>Erreur !</strong> <?=
    $message ?>
45             </div>
46             <?php } ?>
47             <div class="mb-3"><label class="form-label"
    for="email">Email</label><input class="form-control item" type="
    email" id="email" name="email" value="<?=$email?"></div>
48             <div class="mb-3"><label class="form-label"
    for="password">Mot de passe</label><input class="form-control
    item" type="password" id="password" name="password"></div>
49             <div class="mb-3"><label class="form-label"
    for="password2">Répétez votre mot de passe</label><input class="
    form-control item" type="password" id="password2" name="password2
    "></div>
50             <button class="btn btn-primary" type="submit
    ">S'enregistrer</button>
51         </form>
52     </div>
53 </section>
54 </main><!-- Start: Footer Dark -->
55 </div><?php
56     require_once("../assets/php/footer.php");
57     ?>
58 <!-- End: Footer Dark -->
59     <script src="assets/bootstrap/js/bootstrap.min.js?h=1
    eb47230ed13e88113270f63f470e160"></script>
60     <script src="https://cdnjs.cloudflare.com/ajax/libs/
    baguettebox.js/1.10.0/baguetteBox.min.js"></script>
61     <script src="assets/js/vanilla-zoom.js?h=6
    a37ea9c996b05f763161c73127d66bc"></script>
62     <script src="assets/js/theme.js?h=
    a083aeb15550c5e1266c666e8a5846d9"></script>
63 </body>
64
65 </html>

```

Listing 25: Registration.php

2.20 UserAddFlight.php

```

1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * User logbook add flight page here
7  */
8 require_once("../controllers/userAddFlight_controller.php");
9 ?>
10 <!DOCTYPE html>
11 <html lang="fr">
12
13 <head>
14     <meta charset="utf-8">
15     <meta name="viewport" content="width=device-width, initial-scale
16     =1.0, shrink-to-fit=no">
17     <title>Ajouter un vol - Flight Club</title>
18     <meta name="description" content="TPI GOLAY Brian">
19     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
20     css?h=2fc55c83fda89d85c10ec2813155ab55">
21     <link rel="manifest" href="manifest.json?h=44264
22     fee9c6d05944711595970c43d33">
23     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
24     family=Montserrat:400,400i,700,700i,600,600i">
25     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
26     css?h=320bd0471c3e8d6b9dd55c98e185506c">
27     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
28     css?h=320bd0471c3e8d6b9dd55c98e185506c">
29     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=320
30     bd0471c3e8d6b9dd55c98e185506c">
31     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
32     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
33     <link rel="stylesheet" href="assets/css/vanilla-zoom.min.css?h=
34     e737f76df021b46fa7180f48799a5d20">
35 </head>
36
37 <body style="display: flex;flex-direction: column;height: 100vh;">
38     <div style="flex: 1 0 auto;">
39         <?php
40         require_once("../assets/php/nav.php");
41         ?>
42         <!-- Start: User Log Book Form -->
43         <main class="page login-page">
44             <section class="clean-block clean-form dark">
45                 <div class="container">
46                     <div class="block-heading">
47                         <h2 class="text-info">Ajouter un vol</h2>

```

```

39         <p>Ajoutez un vol a votre carnet de vol</p>
40     </div>
41     <form method="POST" action="" enctype="multipart
42 /form-data">
43         <?php if ($message != "") {
44             foreach ($message as $key => $value) {
45                 <?>
46                 <div class="alert alert-danger alert
47 -dismissible fade show" role="alert">
48                     <strong>Erreur !</strong> <?=
49 $value ?>
50                 </div>
51                 <?php }
52             } ?>
53             <?php if ($successMessage != "") {
54                 <div class="alert alert-success alert-
55 dismissible fade show" role="alert">
56                     <strong>Succès !</strong> <?=
57 $successMessage ?>
58                 </div>
59                 <?php
60             } ?>
61             <div class="mb-3"><label class="form-label"
62 for="Cd_Role">Role</label><select class="form-select" name="
63 Cd_Role" id="Cd_Role">
64                 <option value="Pilot Flying">PF (
65                 Pilot Flying, Pilote qui pilote)</option>
66                 <option value="Pilot not flying">PNF
67                 (Pilot Not Flying, Pilote qui ne pilote pas)</option>
68                 <option value="Passenger">PAX (
69                 Passager)</option>
70             </select></div>
71             <div class="mb-3"><label class="form-label"
72 for="No_Flight">Vol</label><input class="form-control item" type="
73 text" id="No_Flight" name="No_Flight" required style="text-
74 transform:uppercase" placeholder="VFR, IFR, ..." value="<?=
75 $flight ?>"></div>
76             <div class="mb-3"><label class="form-label"
77 for="Dttm_Departure">Date du décollage</label><input class="form-
78 control item" type="datetime-local" id="Dttm_Departure" name="
79 Dttm_Departure" required placeholder="jj-mm-YYYY hh:mm" value="
80 <?= $dateDeparture ?>"></div>
81             <div class="mb-3"><label class="form-label"
82 for="Dttm_Arrival">Date de l'atterrissage</label><input class="
83 form-control item" type="datetime-local" id="Dttm_Arrival" name="
84 Dttm_Arrival" required placeholder="jj-mm-YYYY hh:mm" value="<?=
85 $dateArrival ?>"></div>

```

```

66         <div class="mb-3"><label class="form-label"
        for="Tm_Engine_On">Heure de démarrage moteur</label><input class=
        "form-control item" type="time" id="Tm_Engine_On" name="
        Tm_Engine_On" value="<?= $timeEngineOn ?>"></div>
67         <div class="mb-3"><label class="form-label"
        for="Tm_Engine_Off">Heure d'arrêt moteur</label><input class="
        form-control item" type="time" id="Tm_Engine_Off" name="
        Tm_Engine_Off" value="<?= $timeEngineOff ?>"></div>
68         <div class="mb-3"><label class="form-label"
        for="Nm_Plane">Type d'aéronef</label><input class="form-control
        item" type="text" id="Nm_Plane" name="Nm_Plane" required
        placeholder="Ex: Tecnam P2002" maxlength="45" value="<?=
        $typeAircraft ?>"></div>
69         <div class="mb-3"><label class="form-label"
        for="No_Plane">Immatriculation</label><input class="form-control
        item" type="text" id="No_Plane" name="No_Plane" required
        placeholder="Ex: F-XXXX" style="text-transform:uppercase"
        maxlength="45" value="<?= $registrationPlane ?>"></div>
70         <div class="mb-3"><label class="form-label"
        for="Cd_ICAO_Departure">ICAO de départ</label><input class="form-
        control item" type="text" id="Cd_ICAO_Departure" name="
        Cd_ICAO_Departure" style="text-transform:uppercase" required
        placeholder="Ex: LFHN" minlength="4" maxlength="4" value="<?=
        $icaoDeparture ?>"></div>
71         <div class="mb-3"><label class="form-label"
        for="Cd_ICAO_Arrival">ICAO d'arrivée</label><input class="form-
        control item" type="text" id="Cd_ICAO_Arrival" name="
        Cd_ICAO_Arrival" style="text-transform:uppercase" required
        placeholder="Ex: LSMP" minlength="4" maxlength="4" value="<?=
        $icaoArrival ?>"></div>
72         <div class="mb-3"><label class="form-label"
        for="Cd_Flight_Type">Type de vol</label><input class="form-
        control item" type="text" id="Cd_Flight_Type" name="
        Cd_Flight_Type" required placeholder="Ex: Navigation" maxlength="
        45" value="<?= $flightType ?>"></div>
73         <div class="mb-3"><label class="form-label"
        for="Cd_Flight_Mode">Mode de vol</label><input class="form-
        control item" type="text" id="Cd_Flight_Mode" name="
        Cd_Flight_Mode" required placeholder="Ex: Solo" maxlength="45"
        value="<?= $flightMode ?>"></div>
74         <div class="mb-3"><label class="form-label"
        for="Txt_Meteo">Météo</label><textarea class="form-control" id="
        Txt_Meteo" rows="3" name="Txt_Meteo" required placeholder="Ex:
        LSMP 060520Z AUTO VRB01KT 9999NDV BKN087 07/02 Q1012 RMK"
        maxlength="512"><?= $weather ?></textarea></div>
75         <div class="mb-3"><label class="form-label"
        for="Nb_Passengers">Nombre de passagers</label><input class="form
        -control item" type="number" id="Nb_Passengers" name="
        Nb_Passengers" required min="0" max="9999999999" value="<?=

```

```

$passengers ?>"></div>
76         <div class="mb-3"><label class="form-label"
for="Txt_Note">Notes</label><textarea class="form-control" id="
Txt_Note" rows="3" name="Txt_Note" maxlength="1024"><?= $notes
?></textarea></div>
77         <div class="mb-3"><input type="file" files
name="media[]" multiple accept=".png, .gif, .jpg, .jpeg">(.gif,.
png,.jpeg,.jpg seulement)</div>
78         <button class="btn btn-primary" type="submit"
" name="AddFlight" value="submit">Enregistrer le vol</button>
</form>
79     </div>
80 </section><!-- End: User Log Book Form -->
81 </main>
82 </div>
83 <!-- Start: Footer Dark -->
84 <?php
85 require_once("../assets/php/footer.php");
86 ?>
87 <!-- End: Footer Dark -->
88 <script src="assets/bootstrap/js/bootstrap.min.js?h=1
eb47230ed13e88113270f63f470e160"></script>
89 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
js/1.10.0/baguetteBox.min.js"></script>
90 <script src="assets/js/vanilla-zoom.js?h=6
a37ea9c996b05f763161c73127d66bc"></script>
91 <script src="assets/js/theme.js?h=
a083aeb15550c5e1266c666e8a5846d9"></script>
92 </body>
93 </html>
94
95

```

Listing 26: UserAddFlight.php

2.21 UserFlight.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * User logbook page here
7  */
8
9 require_once("../controllers/userLogBook_controller.php");
10
11 ?>
12 <!DOCTYPE html>
13 <html lang="fr">
14
15 <head>
16     <meta charset="utf-8">
17     <meta name="viewport" content="width=device-width, initial-scale
18     =1.0, shrink-to-fit=no">
19     <title>Mes vols - Flight Club</title>
20     <meta name="description" content="TPI GOLAY Brian">
21     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
22     css?h=2fc55c83fda89d85c10ec2813155ab55">
23     <link rel="manifest" href="manifest.json?h=44264
24     fee9c6d05944711595970c43d33">
25     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
26     family=Montserrat:400,400i,700,700i,600,600i">
27     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
28     css?h=320bd0471c3e8d6b9dd55c98e185506c">
29     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
30     css?h=320bd0471c3e8d6b9dd55c98e185506c">
31     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=320
32     bd0471c3e8d6b9dd55c98e185506c">
33     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
34     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
35     <link rel="stylesheet" href="assets/css/vanilla-zoom.min.css?h=
36     e737f76df021b46fa7180f48799a5d20">
37 </head>
38
39 <body style="display: flex;flex-direction: column;height: 100vh;">
40     <div style="flex: 1 0 auto;">
41         <?php
42         require_once("../assets/php/nav.php");
43         ?>
44         <!-- Start: User Log Book Form -->
45         <main class="page login-page">
46             <section class="clean-block clean-form dark">
47                 <div class="container-fluid">
```

```

39         <div class="block-heading">
40             <h2 class="text-info">Vos vols</h2>
41             <p>Total des heures: <?=computeTotal(
    $userFlight)?></p>
42         </div>
43         <form style="max-width: 100%;">
44             <div class="table-responsive">
45                 <table class="table">
46                     <thead>
47                         <tr>
48                             <th>Vol</th>
49                             <th>Date du décollage</th>
50                             <th>Date de l'atterrissage</
    th>
51                             <th>Heure de démarrage
    moteur</th>
52                             <th>Heure de moteur coupé</
    th>
53                             <th>Modèle d'avion</th>
54                             <th>Immatriculation</th>
55                             <th>Aérodrome de départ</th>
56                             <th>Aérodrome d'arrivée</th>
57                             <th>Type de vol</th>
58                             <th>Mode de vol</th>
59                             <th>Role</th>
60                             <th>Détails</th>
61                             <th>Éditer</th>
62                         </tr>
63                     </thead>
64                     <tbody>
65                         <?php
66                             showFlight($userFlight);
67                         ?>
68                     </tbody>
69                 </table>
70             </div>
71         </form>
72     </div>
73 </section><!-- End: User Log Book Form -->
74 </main>
75 </div>
76 <!-- Start: Footer Dark -->
77 <?php
78     require_once("../assets/php/footer.php");
79     ?>
80 <!-- End: Footer Dark -->
81 <script src="assets/bootstrap/js/bootstrap.min.js?h=1
    eb47230ed13e88113270f63f470e160"></script>
82 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.

```

```
js/1.10.0/baguetteBox.min.js"></script>
83 <script src="assets/js/vanilla-zoom.js?h=6
a37ea9c996b05f763161c73127d66bc"></script>
84 <script src="assets/js/theme.js?h=
a083aeb15550c5e1266c666e8a5846d9"></script>
85 </body>
86
87 </html>
```

Listing 27: *UserFlight.php*

2.22 UserLogBookMenu.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * User logbook menu page here
7  */
8
9 require_once("../controllers/userLogBookMenu_controller.php");
10
11 ?>
12 <!DOCTYPE html>
13 <html lang="fr">
14
15 <head>
16     <meta charset="utf-8">
17     <meta name="viewport" content="width=device-width, initial-scale
18     =1.0, shrink-to-fit=no">
19     <title>Mes vols menu - Flight Club</title>
20     <meta name="description" content="TPI GOLAY Brian">
21     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
22     css?h=2fc55c83fda89d85c10ec2813155ab55">
23     <link rel="manifest" href="manifest.json?h=44264
24     fee9c6d05944711595970c43d33">
25     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
26     family=Montserrat:400,400i,700,700i,600,600i">
27     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
28     css?h=320bd0471c3e8d6b9dd55c98e185506c">
29     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
30     css?h=320bd0471c3e8d6b9dd55c98e185506c">
31     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=320
32     bd0471c3e8d6b9dd55c98e185506c">
33     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
34     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
35     <link rel="stylesheet" href="assets/css/vanilla-zoom.min.css?h=
36     e737f76df021b46fa7180f48799a5d20">
37 </head>
38
39 <body style="display: flex;flex-direction: column;height: 100vh;">
40     <div style="flex: 1 0 auto;">
41         <?php
42         require_once("../assets/php/nav.php");
43         ?>
44         <!-- Start: User Log Book Form -->
45         <main class="page login-page">
46             <section class="clean-block clean-form dark">
47                 <div class="container">
```

```

39         <div class="block-heading">
40             <h2 class="text-info">Carnet de vol</h2>
41             <p>Gérez votre carnet de vol</p>
42         </div>
43         <form>
44             <table class="d-flex justify-content-center"
45 >
46                 <tr>
47                     <td><a href="?page=myFlights" class=
48 "btn btn-primary">Mes vols</a></td>
49
50                     <td><a href="?page=addFlight" class=
51 "btn btn-primary">Ajouter un vol</a></td>
52
53                     <td><a href="?page=downloadPdf"
54 class="btn btn-danger">Télécharger en PDF</a></td>
55
56                     <td><a href="?page=downloadCsv"
57 class="btn btn-success">Télécharger en CSV</a></td>
58                 </tr>
59             </table>
60         </form>
61     </div>
62 </section><!-- End: User Log Book Form -->
63 </main>
64 </div>
65 <!-- Start: Footer Dark -->
66 <?php
67 require_once("./assets/php/footer.php");
68 ?>
69 <!-- End: Footer Dark -->
70 <script src="assets/bootstrap/js/bootstrap.min.js?h=1
71 eb47230ed13e88113270f63f470e160"></script>
72 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
73 js/1.10.0/baguetteBox.min.js"></script>
74 <script src="assets/js/vanilla-zoom.js?h=6
75 a37ea9c996b05f763161c73127d66bc"></script>
76 <script src="assets/js/theme.js?h=
77 a083aeb15550c5e1266c666e8a5846d9"></script>
78 </body>
79 </html>

```

Listing 28: UserLogBookMenu.php

2.23 UserModify.php

```

1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * modify user page here
7  */
8 require_once("../controllers/userModify_controller.php");
9 ?>
10 <!DOCTYPE html>
11 <html lang="fr">
12
13 <head>
14     <meta charset="utf-8">
15     <meta name="viewport" content="width=device-width, initial-scale
16     =1.0, shrink-to-fit=no">
17     <title>Modifier le profil - Flight Club</title>
18     <meta name="description" content="Flight Club">
19     <link rel="stylesheet" href="assets/bootstrap/css/bootstrap.min.
20     css?h=dce1ced0acba79984dca99bab3de3321">
21     <link rel="manifest" href="manifest.json?h=3376
22     faf9af9d01ed3ad3ca66d606c630">
23     <link rel="stylesheet" href="https://fonts.googleapis.com/css?
24     family=Montserrat:400,400i,700,700i,600,600i">
25     <link rel="stylesheet" href="assets/fonts/fontawesome-all.min.
26     css?h=2cbf12caab31562d03bae9544edcad5f">
27     <link rel="stylesheet" href="assets/fonts/simple-line-icons.min.
28     css?h=2cbf12caab31562d03bae9544edcad5f">
29     <link rel="stylesheet" href="assets/fonts/typicons.min.css?h=2
30     cbf12caab31562d03bae9544edcad5f">
31     <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/
32     libs/baguettebox.js/1.10.0/baguetteBox.min.css">
33     <link rel="stylesheet" href="assets/css/styles.min.css?h=2528
34     b47b032341ce951bad4eb7bec58f">
35 </head>
36
37 <body style="display: flex;flex-direction: column;height: 100vh;">
38     <div style="flex: 1 0 auto;">
39         <?php
40         require_once("../assets/php/nav.php");
41         ?>
42         <main class="page login-page">
43             <section class="clean-block clean-form dark">
44                 <div class="block-heading">
45                     <div class="container">
46                         <h2 class="text-info">Modifier le profil</h2
47
48     >

```

```

38         <p>Modifier le mot de passe</p>
39     </div>
40     <form method="POST" action="">
41         <?php if ($messageErreur != "") { ?>
42             <div class="alert alert-danger alert-
dismissible fade show" role="alert">
43                 <strong>Erreur !</strong> <?=
$messageErreur ?>
44             </div>
45         <?php } ?>
46         <?php if ($messageSucces != "") { ?>
47             <div class="alert alert-success alert-
dismissible fade show" role="alert">
48                 <strong>Succès !</strong> <?=
$messageSucces ?>
49             </div>
50         <?php } ?>
51         <div class="form-group"><label for="password
">Nouveau mot de passe</label><input class="form-control" type="
password" id="newpassword" required="" name="newpassword"></div>
52         <div class="form-group"><label for="password
">Répétez le nouveau mot de passe</label><input class="form-
control" type="password" id="repeatnewpassword" required="" name=
"repeatnewpassword"></div>
53         <div class="form-group"><label for="password
">Ancien mot de passe pour confirmer</label><input class="form-
control" type="password" id="oldpassword" required="" name="
oldpassword"></div>
54         <div class="form-group"><button class="btn
btn-primary btn-block" type="submit" style="margin-top: 1rem;">
Modifier</button></div>
55     </form>
56 </div>
57 </section>
58 </main><!-- Start: Footer Dark -->
59 </div>
60 <?php
61 require_once("../assets/php/footer.php");
62 ?>
63 <!-- End: Footer Dark -->
64 <script src="assets/bootstrap/js/bootstrap.min.js?h=0
de0a05340ecfd010938b6967a030757"></script>
65 <script src="https://cdnjs.cloudflare.com/ajax/libs/baguettebox.
js/1.10.0/baguetteBox.min.js"></script>
66 <script src="assets/js/script.min.js?h=
d28daa69ae332709e94e8243f638cce6"></script>
67 </body>
68

```

```
69 </html>
```

Listing 29: UserModify.php

2.24 nav.php

```

1 <nav class="navbar navbar-light navbar-expand-lg fixed-top bg-white
  clean-navbar">
2   <div class="container"><a class="navbar-brand logo" href="?page=
  homepage">Flight Club</a><button data-bs-toggle="collapse" class=
  "navbar-toggler" data-bs-target="#navcol-1"><span class="visually
  -hidden">Toggle navigation</span><span class="navbar-toggler-icon
  "></span></button>
3     <div class="collapse navbar-collapse" id="navcol-1">
4       <ul class="navbar-nav ms-auto">
5         <li class="nav-item"><a class="nav-link" href="?page
  =homepage">Accueil</a></li>
6         <?php
7         if (!$_SESSION['connected']) {
8           <?>
9             <li class="nav-item"><a class="nav-link" href="?
  page=faq">FAQ</a></li>
10            <li class="nav-item"><a class="nav-link" href="?
  page=login">Se connecter</a></li>
11            <li class="nav-item"><a class="nav-link" href="?
  page=register">S'enregistrer</a></li>
12            <?php
13            } else {
14              <?>
15                <li class="nav-item"><a class="nav-link" href="?
  page=logbook">Carnet de vol</a></li>
16                <li class="nav-item"><a class="nav-link" href="?
  page=groupMenu">Groupes</a></li>
17                <li class="nav-item"><a class="nav-link" href="?
  page=userModify">Modifier mon profil</a></li>
18                <li class="nav-item"><a class="nav-link" href="?
  page=faq">FAQ</a></li>
19                <li class="nav-item"><a class="nav-link" href="?
  page=logout">Se déconnecter</a></li>
20              <?php
21              }
22              <?>
23            </ul>
24          </div>
25        </div>
26      </div>
27 </nav>

```

Listing 30: nav.php

2.25 footer.php

```
1 <footer class="page-footer dark" style="display: flex;flex-direction
   : column;">
2     <div class="container">
3         <div class="row d-flex justify-content-center">
4             <div class="col-sm-3">
5                 <h5>Support</h5>
6                 <ul>
7                     <li><a href="?page=faq">FAQ</a></li>
8                 </ul>
9             </div>
10        </div>
11        <div class="footer-copyright">
12            <p>    2021 Copyright Brian GOLAY</p>
13        </div>
14    </footer>
```

Listing 31: footer.php

3 Contrôleur

3.1 aboutGroup-controller.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * About group logic here
7  */
8 require_once "../sql/userDAO.php";
9 require_once "../sql/groupDAO.php";
10
11 use FlightClub\sql\GroupDAO;
12 use FlightClub\sql\userDAO;
13
14 //we check if the user is already logged-in
15 if (!isset($_SESSION['userID'])) {
16     header("Location: ../index.php?page=homepage");
17     exit();
18 }
19 //filter the url to get the id of the group
20 $idGroup = filter_input(INPUT_GET, "id", FILTER_VALIDATE_INT);
21 //get the group to check if the user is in this group
22 $groupCheck = GroupDAO::getMyGroupById($idGroup, $_SESSION['userID']);
23
24 //if the user is not in the group, we redirect him to the group menu
   page
25 if (empty($groupCheck)) {
26     header("Location: ../index.php?page=myGroupes");
27     exit();
28 }
29
30 //we get the data of the group using the group id
31 $groupDATA = GroupDAO::getGroupById($idGroup);
32
33 //if the data is empty or the id, we redirect the user to the group
   menu page
34 if (empty($idGroup) || empty($groupDATA)) {
35     header("Location: ../index.php?page=myGroupes");
36     exit();
37 }
38
39
40 /**
41  * echo the name of the group
```

```
42 *  
43 * @param array[mixed] $groupData  
44 * @return string  
45 */  
46 function groupName($groupData){  
47     echo $groupData['Nm_Group'];  
48 }
```

Listing 32: *aboutGroup-controller.php*

3.2 flightDetail-controller.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Flight Detail logic here
7  */
8 require_once "../sql/userDAO.php";
9 require_once "../sql/flightDAO.php";
10 require_once "../sql/groupDAO.php";
11 require_once "../sql/mediaDAO.php";
12
13 use FlightClub\sql\FlightDAO;
14 use FlightClub\sql\GroupDAO;
15 use FlightClub\sql\MediaDAO;
16 use FlightClub\sql\userDAO;
17
18 //we check if the user is already logged-in
19 if (!isset($_SESSION['userID'])) {
20     header("Location: ../index.php?page=homepage");
21     exit();
22 }
23
24 //filter the id from the url
25 $flightId = filter_input(INPUT_GET, "id", FILTER_SANITIZE_NUMBER_INT
26 );
27
28 //redirect the user if the id is wrong
29 if (empty($flightId)) {
30     header("Location: ../index.php?page=404");
31     exit();
32 }
33
34 //initialize a variable to allow or not the user to see this flight
35 //for group purposes
36 $isAllowedToSeeThisFlight = false;
37
38 //we get the pilot that did the flight that this page is currently
39 //showing
40 $pilotOfThisFlight = userDAO::getUserByFlightID($flightId);
41 //we get the pilot group of that flight
42 $groupsOfPilot = GroupDAO::getAllOfMyGroup($pilotOfThisFlight['
43     Id_User']);
44 //we get the current user data
45 $groupsOfCurrentUser = GroupDAO::getAllOfMyGroup($_SESSION['userID'
46 ]);
```

```

43 //we compare the pilot and the current user to check if the current
    user is by any way related to the pilot by groups. If not, we do
    not allow the user to see this page and show him a 404
44 foreach ($groupsOfPilot as $key => $gPValue) {
45     foreach ($groupsOfCurrentUser as $key => $gUValue) {
46         if ($gPValue['Id_Group'] == $gUValue['Id_Group']) {
47             $isAllowedToSeeThisFlight = true;
48         }
49     }
50 }
51
52 if ($pilotOfThisFlight['Id_User'] == $_SESSION['userID']) {
53     $isAllowedToSeeThisFlight = true;
54 }
55
56 //showing the user a 404
57 if (!$isAllowedToSeeThisFlight) {
58     header("Location: ./index.php?page=404");
59     exit();
60 }
61
62 //we get the flight from the current user with the id in the url
63 $userFlight = FlightDAO::getFlightById($flightId);
64
65 /**
66  * Function that compute a flight time on with date and hour. Found
    logic on stackoverflow and adapted it a bit: https://
    stackoverflow.com/questions/5463549/subtract-time-in-php
67  *
68  * @param string $Dttm_Departure
69  * @param string $Dttm_Arrival
70  * @return void
71  */
72 function computeTotalTime($Dt_Departure, $Dt_Arrival)
73 {
74     $start = strtotime($Dt_Departure);
75     $end = strtotime($Dt_Arrival);
76
77     //If you want it in minutes, you can divide the difference by 60
    instead
78     $mins = (int)(( $end - $start) / 60);
79     echo $mins . ' minute(s) ' . '<br>';
80 }
81
82 /**
83  * Function that get all pictures from a flight with the id of the
    flight
84  *
85  * @param int $idFlight

```

```
86  * @return void
87  */
88  function showAllPicturesFromTheFlight($idFlight){
89      $picture = MediaDAO::readMediaByIdFlight($idFlight);
90      foreach ($picture as $key => $value) {
91          echo" <tr><td><img class='img-thumbnail' src='" . $value['
Txt_File_Path'] . "'></td></tr>";
92      }
93      if (empty($picture)) {
94          echo" <tr><td>Aucune image pour ce vol</td></tr>";
95      }
96  }
```

Listing 33: *flightDetail-controller.php*

3.3 flightEdit-controller.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Flight edit logic here
7  */
8 require_once "../sql/userDAO.php";
9 require_once "../sql/flightDAO.php";
10 require_once "../sql/dbConnection.php";
11 require_once "../sql/mediaDAO.php";
12
13 use FlightClub\sql\FlightDAO;
14 use FlightClub\sql\DBConnection;
15 use FlightClub\sql\MediaDAO;
16 use FlightClub\sql\userDAO;
17
18 //we check if the user is already logged-in
19 if (!isset($_SESSION['userID'])) {
20     header("Location: ../index.php?page=homepage");
21     exit();
22 }
23
24 //we hide error to the user to only show our custom errors
25 error_reporting(0);
26
27 //filter the id from the url
28 $flightId = filter_input(INPUT_GET, "id", FILTER_SANITIZE_NUMBER_INT);
29
30 //we filter the user input
31 $role = filter_input(INPUT_POST, "Cd_Role", FILTER_SANITIZE_STRING);
32 $flight = filter_input(INPUT_POST, "No_Flight",
33     FILTER_SANITIZE_STRING);
34 $dateDeparture = filter_input(INPUT_POST, "Dttm_Departure",
35     FILTER_SANITIZE_STRING);
36 $dateArrival = filter_input(INPUT_POST, "Dttm_Arrival",
37     FILTER_SANITIZE_STRING);
38 $timeEngineOn = filter_input(INPUT_POST, "Tm_Engine_On",
39     FILTER_SANITIZE_STRING);
40 $timeEngineOff = filter_input(INPUT_POST, "Tm_Engine_Off",
41     FILTER_SANITIZE_STRING);
42 $typeAircraft = filter_input(INPUT_POST, "Nm_Plane",
43     FILTER_SANITIZE_STRING);
44 $registrationPlane = filter_input(INPUT_POST, "No_Plane",
45     FILTER_SANITIZE_STRING);
46 $icaoDeparture = filter_input(INPUT_POST, "Cd_ICAO_Departure",
47     FILTER_SANITIZE_STRING);
```



```

39 $icaoArrival = filter_input(INPUT_POST, "Cd_ICAO_Arrival",
    FILTER_SANITIZE_STRING);
40 $flightType = filter_input(INPUT_POST, "Cd_Flight_Type",
    FILTER_SANITIZE_STRING);
41 $flightMode = filter_input(INPUT_POST, "Cd_Flight_Mode",
    FILTER_SANITIZE_STRING);
42 $weather = filter_input(INPUT_POST, "Txt_Meteo",
    FILTER_SANITIZE_STRING);
43 $passengers = filter_input(INPUT_POST, "Nb_Passengers",
    FILTER_SANITIZE_NUMBER_INT);
44 $notes = filter_input(INPUT_POST, "Txt_Note", FILTER_SANITIZE_STRING
    );
45 $btn = filter_input(INPUT_POST, 'btnModify', FILTER_SANITIZE_STRING)
    ;
46 $imgToDelete = filter_input(INPUT_POST, 'deletedImg',
    FILTER_SANITIZE_STRING);
47
48 $validTime = true;
49 $engineTime = true;
50
51 $goodDateTimeDepartureFormat = "";
52 $goodDateTimeArrivalFormat = "";
53 $resetTimeDeparture = "";
54 $resetTimeArrival = "";
55 $resetTimeEngineOn = "";
56 $resetTimeEngineOff = "";
57 $error = "";
58 /**
59  * Function found on Stack overflow to check if a time is valid.
60  * Found at: https://stackoverflow.com/questions/3964972/validate-
61  \* that-input-is-in-this-time-format-hhmm
62  *
63  * @param string $time
64  * @return bool
65  */
66 function checkTime($time)
67 {
68     //check that the first char is either 0, a 1 or a 2, then the
69     //second character between 0 and 9. Then it looks for the ":"
70     //character. Then it check that the first minute number is between
71     //0 and 5, finally, it check that the last number is between 0 and
72     //9
73     if (preg_match("/^(?:2[0-3]|[01][0-9]):[0-5][0-9]$/", $time)) {
74         return true;
75     } else {
76         return false;
77     }
78 }

```

```
74 /**
75  * function that validate the date
76  *
77  * @param string $date
78  * @return bool
79  */
80 function validateDate($date)
81 {
82     $newDate = explode("T", $date);
83     return checkdate(explode("-", $newDate[0])[1], explode("-",
84     $newDate[0])[2], explode("-", $newDate[0])[0]);
85 }
86 //redirect the user if the id is wrong
87 if (empty($flightId)) {
88     header("Location: ./index.php?page=404");
89     exit();
90 }
91
92 //we initialize the variable that allow the user to see this page
93 $isAllowedToSeeThisFlight = false;
94
95 //we get the data of the pilot of this flight
96 $pilotOfThisFlight = userDao::getUserByFlightID($flightId);
97
98 //if the pilot is the current user, we allow him to see the page
99 if ($pilotOfThisFlight['Id_User'] == $_SESSION['userID']) {
100     $isAllowedToSeeThisFlight = true;
101 }
102
103 //if the user is not allowed to see the page, we show him a 404
104 if (!$isAllowedToSeeThisFlight) {
105     header("Location: ./index.php?page=404");
106     exit();
107 }
108
109 //we get all flight from the current user
110 $userFlight = FlightDAO::getFlightById($flightId);
111
112 //we reset the message
113 $message = array();
114 $successMessage = "";
115 //if all data are not empty
116 if (!empty($btn)) {
117     if (
118         !empty($role) && !empty($flight) && !empty($dateDeparture)
119         && !empty($dateArrival) &&
120         !empty($typeAircraft) && !empty($registrationPlane) && !
121         empty($icaoDeparture) && !empty($icaoArrival) && !empty(
```

```

$flightType)
120     && !empty($flightMode) && !empty($weather) && $passengers !=
    ""
121 ) {
122 } else {
123     $message[] = "Entrez tout les champs";
124 }
125 //we check that the data is valid
126 if (strlen($icaoDeparture) == 4 && strlen($icaoArrival) == 4) {
127 } else {
128     $message[] = "Vérifiez les codes ICAO";
129 }
130 //check that dates are valid
131 if (validateDate($dateDeparture) && validateDate($dateArrival))
{
132 } else {
133     $message[] = "La date n'est pas valide";
134 }
135 //check the validity of the hours of the take off time and
landing time
136 if (checkTime(explode(":", (explode("T", $dateDeparture)[1]))[0]
. ":" . explode(":", (explode("T", $dateDeparture)[1]))[1]) &&
checkTime(explode(":", (explode("T", $dateArrival)[1]))[0] . ":"
. explode(":", (explode("T", $dateArrival)[1]))[1])) {
137     $validTime = true;
138     //check the validity of the hours for the engine off and
engine on time
139     if (!empty($timeEngineOn) && !empty($timeEngineOff)) {
140         $engineTime = true;
141         if (checkTime(explode(":", $timeEngineOn)[0] . ":" .
explode(":", $timeEngineOn)[1]) && checkTime(explode(":",
$timeEngineOff)[0] . ":" . explode(":", $timeEngineOff)[1])) {
142             $validTime = true;
143         } else {
144             $validTime = false;
145         }
146     } else {
147         $timeEngineOff = null;
148         $timeEngineOn = null;
149     }
150 } else {
151     $message[] = "La date et l'heure saisie ne sont pas valides"
;
152 }
153 if ($validTime && $engineTime) {
154     //check that the type of aircraft doesn't blow the database
155 } else {
156     $message[] = "L'heure saisie n'est pas valide";
157 }

```

```
158     if (strlen($typeAircraft) <= 45) {
159         //check that the registration of the aircraft doesn't blow
the database
160     } else {
161         $message[] = "Le type d'avion est trop long";
162     }
163     if (strlen($registrationPlane) <= 45) {
164         //check that the flight type doesn't blow the database
165     } else {
166         $message[] = "L'immatriculation de l'avion est trop longue";
167     }
168     if (strlen($flightType) <= 45) {
169         //check that the flight mode doesn't blow the database
170     } else {
171         $message[] = "Le type de vol est trop long";
172     }
173     if (strlen($flightMode) <= 45) {
174         //check that the weather doesn't blow the database
175     } else {
176         $message[] = "Le mode de vol est trop long";
177     }
178     if (strlen($weather) <= 512) {
179         //check that the passengers number doesn't blow the database
180     } else {
181         $message[] = "La météo est trop longue";
182     }
183     if ($passengers <= 99999999999 && $passengers >= 0) {
184         //check that the notes doesn't blow the database
185     } else {
186         $message[] = "Le nombre de passagers est invalide";
187     }
188     if (strlen($notes) <= 1024) {
189         //every data is correct
190     } else {
191         $message[] = "Les notes sont trop longues";
192     }
193
194     //we check that every data is ok
195     if (empty($message)) {
196
197         //we check with is the latest id in the database
198         $allflight = FlightDAO::getAllFlightOrderById();
199         try {
200
201             //converting departure datetime to a good datetime
202             $dateDeparture = explode("T", $dateDeparture);
203             $dateDeparture = $dateDeparture[0] . " " .
$dateDeparture[1];
204
```

```

205         //converting arrival datetime to a good datetime
206         $dateArrival = explode("T", $dateArrival);
207         $dateArrival = $dateArrival[0] . " " . $dateArrival[1];
208
209         //we edit the flight
210         FlightDAO::editFlight(
211             $flightId,
212             $_SESSION['userID'],
213             $role,
214             strtoupper($flight),
215             $dateDeparture,
216             $dateArrival,
217             $timeEngineOn,
218             $timeEngineOff,
219             $typeAircraft,
220             strtoupper($registrationPlane),
221             strtoupper($icaoDeparture),
222             strtoupper($icaoArrival),
223             $flightType,
224             $flightMode,
225             $weather,
226             $passengers,
227             $notes
228         );
229         //we show a success message
230         $successMessage = "Vol modifié avec succès!";
231
232         //we get the new data to show to the user
233         $userFlight = FlightDAO::getFlightById($flightId);
234     } catch (\Throwable $th) { //we show an error message
235         $message = "Une erreur est survenue. merci de réessayer
";
236     }
237
238     //we check if there is some images to delete
239     if (!empty($imgToDelete)) {
240
241         $isAllowedToDeletePicture = false;
242
243
244
245
246         DBConnection::startTransaction();
247         $imgToDelete = explode(",", $imgToDelete);
248         unset($imgToDelete[count($imgToDelete) - 1]);
249         $pictureData = "";
250         // we try to remove each image
251         try {
252             foreach ($imgToDelete as $key => $value) {

```

```
253         $pictureData = MediaDAO::read_media_by_id($value
254     );
255         if (userDAO::getUserByFlightID($pictureData['
256     Id_Flight'])['Id_User'] == $_SESSION['userID']) {
257             $isAllowedToDeletePicture = true;
258         }else {
259             $isAllowedToDeletePicture = false;
260         }
261         if ($isAllowedToDeletePicture) {
262             MediaDAO::del_mediaByIdMedia($value);
263             unlink($pictureData['Txt_File_Path']);
264         }else {
265             $message[] = "Vous n'avez pas la permission
266     de supprimer l'image!";
267         }
268     }
269     DBConnection::commit();
270 } catch (\Throwable $th) { //if there was an error, we
271     rollback
272     DBConnection::rollback();
273     $message[] = "Une erreur est survenue lors de la
274     suppression du media";
275 }
276
277
278     ///FILE UPLOAD
279
280     $name = "";
281     $lienimg = "";
282     $default_dir = "./media/";
283     $errorimg = "";
284     $size_total = 0;
285     $error = "";
286     $type = '';
287     $extension = '';
288     $nb_files = count($_FILES['media']['name']);
289     $MAX_FILE_SIZE = 3145728; // 3MB in bytes
290     $MAX_POST_SIZE = 73400320; // 70MB in bytes
291
292     $extensions = array(
293         "image" => array('.png', '.gif', '.jpg', '.jpeg'),
294     );
295     // available types of file
296     $types = array('image');
```

```

297
298 // we check that the user have clicked on the button
299 if ($btn != 'null') {
300     if ($_FILES['media']['name'][0] != "") {
301         DBConnection::startTransaction();
302         //we check the size of the image
303         foreach ($_FILES['media']['size'] as $key => $value)
304         {
305             if ($value > $MAX_FILE_SIZE) {
306                 $error = 'File too heavy.';
307                 DBConnection::rollback();
308             } else {
309                 $size_total += $value;
310             }
311             //if there is images we check each media size
312             if (isset($_FILES['media'])) {
313                 for ($i = 0; $i < $nb_files; $i++) {
314                     $erroring = $_FILES['media']['error'][$i];
315                     if ($error == 'File too heavy.' ||
316 $size_total > $MAX_POST_SIZE) {
317                         $error = "Fichier trop volumineux!";
318                         DBConnection::rollback();
319                     } else {
320                         //we check the mime type
321                         $separator = '/';
322                         $extension = explode($separator,
323 mime_content_type($_FILES['media']['tmp_name'][$i]))[1];
324                         $type = explode($separator,
325 mime_content_type($_FILES['media']['tmp_name'][$i]))[0];
326
327                         if (!in_array($type, $types)) {
328                             $error = "erreur dans le type de
329 fichier";
330                             DBConnection::rollback();
331                         } else {
332                             if ($erroring[0] == 0) { //if
333 there is no error, we add the file
334                                 $tmp_name = $_FILES['media'
335 ]["name"][$i];
336                                 $name = explode(".",
337 $tmp_name);
338                                 $name = $name[0] . uniqid()
339 . "." . $name[1];
340
341                                 if (move_uploaded_file(
342 $_FILES['media']["tmp_name"][$i], $default_dir . $type . "/" .

```

```

$name)) {
335                                     //add the filename in
the database
336                                     MediaDAO::changePath(
$name, $tmp_name[$i]);
337                                     $lienimg = $default_dir
. $type . "/" . $name;
338                                     } else {
339                                     DBConnection::rollback()
;
340                                     }
341                                     }
342                                     try { //we add the media in the
database
343                                     MediaDAO::addmedia($lienimg,
$flightId);
344
345                                     DBConnection::commit();
346                                     } catch (\Throwable $th) {
347                                     $error = $th;
348                                     DBConnection::rollback();
349                                     }
350                                     } else {
351                                     DBConnection::rollback();
352                                     }
353                                     }
354                                     }
355                                     }
356                                     }
357                                     }
358                                     }
359                                     }
360 }
361
362 if ($error != "") {
363     $message .= " " . $error;
364 }
365
366
367
368 //we get the new data of the pilot of this flight
369 $pilotOfThisFlight = userDAO::getUserByFlightID($flightId);
370
371 /**
372  * Function that compute a flight time on with date and hour. Found
    logic on stackoverflow and adapted it a bit: https://
    stackoverflow.com/questions/5463549/subtract-time-in-php
373  *
374  * @param string $Dt_Departure

```



```

375 * @param string $Dt_Arrival
376 * @return void
377 */
378 function computeTotalTime($Dt_Departure, $Dt_Arrival)
379 {
380     $start = strtotime($Dt_Departure);
381     $end = strtotime($Dt_Arrival);
382
383     //If you want it in minutes, you can divide the difference by 60
    instead
384     $mins = (int)(( $end - $start) / 60);
385     echo $mins . ' minute(s) ' . '<br>';
386 }
387
388 /**
389 * Function that get all pictures from a flight with the id of the
    flight
390 *
391 * @param int $idFlight
392 * @return void
393 */
394 function showAllPicturesFromTheFlight($idFlight)
395 {
396     $picture = MediaDAO::readMediaByIdFlight($idFlight);
397     foreach ($picture as $key => $value) {
398         echo "<tr id='" . $value['Id_Picture'] . "'><td><img class='
img-thumbnail' src='" . $value['Txt_File_Path'] . "'></td><td><
button type='button' class='btn btn-danger' name='delete' value='
" . $value["Id_Picture"] . "' onclick='deleteJS(" . $value["
Id_Picture"] . ", " . $idFlight . ")>X</button></td></td></tr>";
399     }
400     if (empty($picture)) {
401         echo " <tr><td>Aucune image pour ce vol</td></tr>";
402     }
403 }
404
405 //change the format of the datetime to be a valid sticky datetime
    format
406 $goodDateTimeDepartureFormat = explode(" ", $userFlight['
Dttm_Departure']);
407 $goodDateTimeDepartureFormat = $goodDateTimeDepartureFormat[0] . "T"
    . $goodDateTimeDepartureFormat[1];
408
409 $goodDateTimeArrivalFormat = explode(" ", $userFlight['Dttm_Arrival'
    ]);
410 $goodDateTimeArrivalFormat = $goodDateTimeArrivalFormat[0] . "T" .
    $goodDateTimeArrivalFormat[1];

```

Listing 34: *flightEdit-controller.php*

3.4 groupCreate-controller.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Create group logic here
7  */
8 require_once "../sql/userDAO.php";
9 require_once "../sql/groupDAO.php";
10
11 use FlightClub\sql\GroupDAO;
12 use FlightClub\sql\userDAO;
13
14 //we check if the user is already logged-in
15 if (!isset($_SESSION['userID'])) {
16     header("Location: ../index.php?page=homepage");
17     exit();
18 }
19
20 //filter the user input
21 $name = filter_input(INPUT_POST, "name", FILTER_SANITIZE_STRING);
22
23 //reset the success and error message
24 $message = "";
25 $errorMessage = "";
26
27 //we check that the name is not empty and not bigger than the
    maximum size in the database
28 if (!empty($name) && strlen($name) <= 100) {
29
30     //we create the group and get his id
31     GroupDAO::createGroup($name);
32     $lastID = GroupDAO::getLastGroupId();
33
34     //we make the user join his newly created group
35     GroupDAO::joinCreatedGroup($lastID[0]['Id_Group'], $_SESSION['
        userID']);
36
37     //we show him a success message
38     $message = "Groupe créer avec succès!";
39
40 }elseif(strlen($name) > 100){
41     //we show an error message
42     $errorMessage = "Nom de groupe trop long";
43 }
```

Listing 35: groupCreate-controller.php

3.5 groupInviteAMember-controller.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Invite a member to a group logic here
7  */
8 require_once "../sql/userDAO.php";
9 require_once "../sql/groupDAO.php";
10
11 use FlightClub\sql\GroupDAO;
12 use FlightClub\sql\userDAO;
13
14 //we check if the user is already logged-in
15 if (!isset($_SESSION['userID'])) {
16     header("Location: ../index.php?page=homepage");
17     exit();
18 }
19
20 //we filter the url to get the id of the group
21 $idGroup = filter_input(INPUT_GET, "idGroup", FILTER_VALIDATE_INT);
22 $email = filter_input(INPUT_POST, "email", FILTER_SANITIZE_STRING);
23
24
25 //we get the group with the user id
26 $groupCheck = GroupDAO::getMyGroupById($idGroup, $_SESSION['userID']);
27
28 //we check if the user is in the group, if not we redirect him to
    the menu page of the groupes
29 if (empty($groupCheck)) {
30     header("Location: ../index.php?page=myGroupes");
31     exit();
32 }
33
34 //we get the group data from the id
35 $groupDATA = GroupDAO::getGroupById($idGroup);
36 //if the id or the data is empty, we redirect the user to the menu
    page of the groupes
37 if (empty($idGroup) || empty($groupDATA)) {
38     header("Location: ../index.php?page=myGroupes");
39     exit();
40 }
41 //we initialize the error and success messages
42 $errorMessage = "";
43 $successMessage = "";
44 //we check that the email field is not empty
```

```
45 if (!empty($email)) {
46     //we get all the user data and try to invite him
47     $userData = UserDAO::getUserByEmail($email);
48     try {
49         if (!empty($userData)) { //if the user is existing we invite
50             GroupDAO::CreateInvite($idGroup, $userData['Id_User']);
51             $successMessage = "Utilisateur invité!";
52         } else { //if the user doesn't exists, we show an error
53             $errorMessage = "Oops, une erreur est survenue. Vérifiez
54                 l'adresse du destinataire";
55             } catch (\Throwable $th) { //if the user is already in the group
56                 $errorMessage = "Oops, une erreur est survenue. Vérifiez l'
57                 adresse du destinataire";
58             }
59         }
60     }
61 /**
62  * echo the name of the group
63  *
64  * @param array[mixed] $groupData
65  * @return string
66  */
67 function groupName($groupData)
68 {
69     echo $groupData['Nm_Group'];
70 }
```

Listing 36: *groupInviteAMember-controller.php*

3.6 groupInvites-controller.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * group invites logic here
7  */
8 require_once "../sql/groupDAO.php";
9
10 use FlightClub\sql\GroupDAO;
11
12 //we check if the user is already logged-in
13 if (!isset($_SESSION['userID'])) {
14     header("Location: ../index.php?page=homepage");
15     exit();
16 }
17
18 //check if the user clicked on any of these buttons
19 $accept = filter_input(INPUT_POST, "accept", FILTER_SANITIZE_STRING);
20 ;
21 $deny = filter_input(INPUT_POST, "delete", FILTER_SANITIZE_STRING);
22
23 //we initialize the default error or success message
24 $successMessage = "";
25
26 //if he accepted an invite, we update the database
27 if ($accept) {
28     GroupDAO::acceptPendingInvite($accept, $_SESSION['userID']);
29     $successMessage = "Groupe rejoint avec succès";
30 }
31 //if he deny an invite, we remove it from the database
32 if ($deny) {
33     GroupDAO::deletePendingInvite($deny, $_SESSION['userID']);
34     $successMessage = "Invitation refusée avec succès";
35 }
36
37 /**
38  * function that show all invites for the current user
39  *
40  * @return string
41  */
42 function showInvites()
43 {
44     //we get all invites in a variable
45     $pendingInvites = GroupDAO::getAllPendingInvites();
46
47     //we initialize a counter
```

```
47     $countUserInvite = 0;
48     //we check every invite of the database
49     foreach ($pendingInvites as $key => $value) {
50         //if an invite is for our user, we show it to him
51         if ($value['Id_User'] == $_SESSION['userID']) {
52             //we increment our counter
53             $countUserInvite++;
54             echo "<tr><td>Vous avez été invité à rejoindre le groupe
55                 " . GroupDAO::getGroupById($value['Id_Group'])['Nm_Group'] . "
56                 !</td><td><button class=\"btn btn-success\" type=\"submit\" value
57                 =\" " . $value['Id_Group'] . "\" name=\"accept\">    </button></td>
58                 <td><button class=\"btn btn-danger\" type=\"submit\" value=\" "
59                 . $value['Id_Group'] . "\" name=\"delete\">X</button></td></tr>";
60             }
61         }
62     }
63     //if our user have 0 invites, we show him a message telling him
64     //to come back later to check if he got a new invite
65     if ($countUserInvite == 0) {
66         echo "<tr><td>Aucune invitation pour le moment... </td></tr>
67         <tr><td>Revenez plus tard</td></tr>";
68     }
69 }
```

Listing 37: groupInvites-controller.php

3.7 groupLogBook-controller.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * group logbook logic here
7  */
8 require_once "../sql/userDAO.php";
9 require_once "../sql/flightDAO.php";
10 require_once "../sql/groupDAO.php";
11
12 use FlightClub\sql\FlightDAO;
13 use FlightClub\sql\GroupDAO;
14 use FlightClub\sql\userDAO;
15
16
17 //we check if the user is already logged-in
18 if (!isset($_SESSION['userID'])) {
19     header("Location: ../index.php?page=homepage");
20     exit();
21 }
22
23 //we filter the url to get the id of the group
24 $idGroup = filter_input(INPUT_GET, "idGroup", FILTER_VALIDATE_INT);
25
26
27 //we get the group with the user id
28 $groupCheck = GroupDAO::getMyGroupById($idGroup, $_SESSION['userID']);
29
30 //we check if the user is in the group, if not we redirect him to
    the menu page of the groupes
31 if (empty($groupCheck)) {
32     header("Location: ../index.php?page=myGroupes");
33     exit();
34 }
35
36 //we get the group data from the id
37 $groupDATA = GroupDAO::getGroupById($idGroup);
38
39 //we get all the users in the group
40 $groupUser = GroupDAO::getAllOfGroupUser($idGroup);
41
42
43 /**
44  * Show all flight from all group users
45  */
```

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```

83     foreach ($users as $key => $value) {
84         $flight = FlightDAO::getAllUserFlightByUserId($value['
85         Id_User']);
86
87         //we get the total minute time
88         foreach ($flight as $key => $value) {
89             $totalMinutes += computeTotalTime($value['Dttm_Departure
90             '], $value['Dttm_Arrival']);
91         }
92         //we get the hour from the minutes
93         $totalHour = floor($totalMinutes / 60);
94
95         //we subtract 60 minutes for each hour
96         $totalMinutes = ($totalMinutes - (60 * $totalHour));
97
98         //we output the hour and minutes
99         echo $totalHour . ":" . $totalMinutes;
100     }
101
102 /**
103  * Write the group name
104  *
105  * @param array[mixed] $groupData
106  * @return void
107  */
108 function groupName($groupData)
109 {
110     echo $groupData['Nm_Group'];
111 }
112
113 /**
114  * Function that compute a flight time on with date and hour. Found
115  * logic on stackoverflow and adapted it a bit: https://
116  \* stackoverflow.com/questions/5463549/subtract-time-in-php
117  *
118  * @param string $Dt_Departure
119  * @param string $Dt_Arrival
120  * @return void
121  */
122 function computeTotalTime($Dt_Departure, $Dt_Arrival)
123 {
124     $start = strtotime($Dt_Departure);
125     $end = strtotime($Dt_Arrival);
126
127     //If you want it in minutes, you can divide the difference by 60
128     //instead
129     $mins = (int)(( $end - $start ) / 60);

```

```
127     return $mins;  
128 }
```

Listing 38: `groupLogBook-controller.php`

3.8 groupMember-controller.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Group member list logic here
7  */
8 require_once "../sql/userDAO.php";
9 require_once "../sql/groupDAO.php";
10
11 use FlightClub\sql\GroupDAO;
12 use FlightClub\sql\userDAO;
13
14 //we check if the user is already logged-in
15 if (!isset($_SESSION['userID'])) {
16     header("Location: ../index.php?page=homepage");
17     exit();
18 }
19
20 //we filter the url to get the id of the group
21 $idGroup = filter_input(INPUT_GET, "idGroup", FILTER_VALIDATE_INT);
22
23
24 //we get the group with the user id
25 $groupCheck = GroupDAO::getMyGroupById($idGroup, $_SESSION['userID']);
26
27 //we check if the user is in the group, if not we redirect him to
    the menu page of the groupes
28 if (empty($groupCheck)) {
29     header("Location: ../index.php?page=myGroupes");
30     exit();
31 }
32
33 //we get the group data from the id
34 $groupDATA = GroupDAO::getGroupById($idGroup);
35 //if the id or the data is empty, we redirect the user to the menu
    page of the groupes
36 if (empty($idGroup) || empty($groupDATA)) {
37     header("Location: ../index.php?page=myGroupes");
38     exit();
39 }
40
41
42 /**
43  * echo the name of the group
44  *
```

```
45  * @param array[mixed] $groupData
46  * @return string
47  */
48 function groupName($groupData){
49     echo $groupData['Nm_Group'];
50 }
51
52
53 /**
54  * function that show all group members
55  *
56  * @return string
57  */
58 function showGroupMembers($idGroup)
59 {
60     //we get all users of the selected group in a variable
61     $groupMember = GroupDAO::getAllOfGroupUser($idGroup);
62
63     //we write every user of the selected group
64     foreach ($groupMember as $key => $value) {
65         echo "<tr><td>" . $value['Txt_Email'] . "</td><td>" . $value
66         ['Dttm_Membership'] . "</td></tr>";
67     }
```

Listing 39: groupMember-controller.php

3.9 groupMenu-controller.php

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * group menu logic here
6  */
7 require_once "../sql/userDAO.php";
8
9 use FlightClub\sql\userDAO;
10
11 //we check if the user is already logged-in
12 if (!isset($_SESSION['userID'])) {
13     header("Location: ../index.php?page=homepage");
14     exit();
15 }
```

Listing 40: groupMenu-controller.php

3.10 login-controller.php

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * login logic here
6  */
7 require_once "../sql/userDAO.php";
8
9 use FlightClub\sql\userDAO;
10
11 //we check if the user is already logged-in
12 if (isset($_SESSION['userID'])) {
13     header("Location: ../index.php?page=homepage");
14     exit();
15 }
16 //we filter the user input
17 $email = filter_input(INPUT_POST, "email", FILTER_SANITIZE_STRING);
18 $password = filter_input(INPUT_POST, "password",
19     FILTER_SANITIZE_STRING);
20
21 $message = "";
22 //we check that the email and password are filled
23 if (!empty($email) && !empty($password)) {
24     //we hash the user password
25     $hashed = hash('sha512', $password);
26     $salted = substr($hashed, 0, 20) . $hashed . substr($hashed, 50,
27     70);
28     $hashed = hash('sha512', $salted);
29
30     //we compare the hashed password of the user with the one in the
31     database
32     if (password_verify($hashed, userDAO::getUserByEmail($email)['
33     Txt_Password_Hash'])) {
34         //we connect the user in session
35         $_SESSION['connected'] = true;
36         $_SESSION['userID'] = userDAO::getUserByEmail($email)['
37         Id_User'];
38         $message = "Connecté avec succès";
39         //we redirect the user to the homepage
40         header("Location: ../index.php?page=homepage");
41         exit();
42     } else {
43         $message = "Mauvais mot de passe ou email !";
44     }
45 }
```

41 }

Listing 41: `login-controller.php`

3.11 myGroup-controller.php

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * My group logic here
6  */
7 require_once "../sql/userDAO.php";
8 require_once "../sql/groupDAO.php";
9
10 use FlightClub\sql\GroupDAO;
11 use FlightClub\sql\userDAO;
12
13 //we check if the user is already logged-in
14 if (!isset($_SESSION['userID'])) {
15     header("Location: ../index.php?page=homepage");
16     exit();
17 }
18
19 //we filter the user input value of the button
20 $leaveGroup = filter_input(INPUT_POST, 'delete',
21     FILTER_SANITIZE_NUMBER_INT);
22
23 //we initialize empty messages
24 $errorMessage = "";
25 $successMessage = "";
26
27 //check if the user clicked on leave group
28 if (!empty($leaveGroup)) {
29     try { //we try to remove the user from the group
30         GroupDAO::deletePendingInvite($leaveGroup, $_SESSION['userID']);
31         $successMessage = "Vous avez quitter le groupe!";
32     } catch (\Throwable $th) {
33         //if there was an error
34         $errorMessage = "Une erreur est survenue, veuillez réessayer";
35     }
36 }
37
38
39
40 /**
41  * Show all groups of the current user
42  *
43  * @return string
44  */
```



```

45 function showGroups()
46 {
47     //We get all of the groups that the user is in
48     $MyGroups = GroupDAO::getAllOfMyGroup($_SESSION['userID']);
49     //if he is in a group or more, we show him his groups
50     if (!empty($MyGroups)) {
51         foreach ($MyGroups as $key => $value) {
52             echo "<div class=\"card-group\">";
53         }
54
55         <div class="card" style="width: 18rem;">
56             <div class="card-body">
57                 <h5 class="card-title"><?= $value['Nm_Group']
58             ?></h5>
59                 </div>
60                 <div class="card-body">
61                     <a class="btn btn-outline-primary" href="?page=
62                     aboutGroup&id=<?= $value['Id_Group'] ?>" class="card-link">Plus d
63                     'infos</a>
64                     <button name='delete' class='btn btn-outline-
65                     danger' value='<?= $value['Id_Group'] ?>' type="submit">X</button
66                     >
67                     </div>
68                 </div>
69             <?php
70                 echo "</div>";
71             }
72         }else { //if not, we show him a message saying that he isn't in
73         any group yet
74             echo "<p>Vous n'appartenez à aucun groupe!</p>";
75         }
76     }
77 }
78 }
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989 }
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991 }
992 }
993 }
994 }
995 }
996 }
997 }
998 }
999 }
1000 }

```

Listing 42: myGroup-controller.php

3.12 registration-controller.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * registration logic here
7  */
8
9 //require all the users functions
10 require_once("../sql/userDAO.php");
11
12 use FlightClub\sql\userDAO;
13
14 //check if the user is not already connected
15 if (isset($_SESSION['userID'])) {
16     header("Location: ../index.php?page=homepage");
17     exit();
18 }
19
20 /**
21  * Check the password strength with REGEX
22  *
23  * @param string $password
24  * @return bool
25  */
26 function password_strength($password)
27 {
28     //we check the length and initialize the default value for the
    return
29     $password_length = 8;
30     $returnVal = True;
31
32     //we check that the password is bigger than the password length
33     if (strlen($password) < $password_length) {
34         $returnVal = False;
35     }
36
37     //we check that there is a number in the password
38     if (!preg_match("#[0-9]+#", $password)) {
39         $returnVal = False;
40     }
41
42     //we check that there is at least one smaller character
43     if (!preg_match("#[a-z]+#", $password)) {
44         $returnVal = False;
45     }
46 }
```

```

47 //we check that there is at least one bigger character
48 if (!preg_match("#[A-Z]+#", $password)) {
49     $returnVal = False;
50 }
51
52 //we check that there is at least one special character
53 if (!preg_match("/[\\'~ $ %&*()}{@#~?><>,|=_+!-]/", $password)) {
54     $returnVal = False;
55 }
56
57 //we return the true if the password is ok or false if ko
58 return $returnVal;
59 }
60
61 //we filter the user input
62 $email = filter_input(INPUT_POST, "email", FILTER_SANITIZE_STRING);
63 $password = filter_input(INPUT_POST, "password",
64     FILTER_SANITIZE_STRING);
64 $password2 = filter_input(INPUT_POST, "password2",
65     FILTER_SANITIZE_STRING);
66 //we reset the message
66 $message = "";
67 //if all data are not empty
68 if (!empty($email) && !empty($password) && !empty($password2)) {
69     if (strlen($email) < 100) {
70         //we check that the email is not already in our database
71         if (userDAO::readEmail($email) == null) {
72             //we check booth of the password are the same and the
73             strength of the password
74             if ($password === $password2) {
75                 if (password_strength($password)) {
76                     //we hash the password
77                     $hashed = hash('sha512', $password);
78                     $salted = substr($hashed, 0, 20) . $hashed .
79                     substr($hashed, 50, 70);
80                     $hashed = hash('sha512', $salted);
81                     //we hash again with password hash
82                     $hashed = password_hash($hashed, PASSWORD_BCRYPT
83 );
84                     //we add it to the database
85                     userDAO::AddUsers($email, $hashed);
86                     $_SESSION['user'] = userDAO::readUsersByEmail(
87 $email);
88                     //we redirect him to the login page
89                     header("Location: ../index.php?page=login");
90                     exit();
91                 } else {
92                     $message = "Le mot de passe doit contenir au
93 moins une majuscule, une minuscule, un chiffre et un caractère sp

```

```
    écial et faire 8 caractère ou plus!";
89         }
90     } else {
91         $message = "Les mots de passes ne sont pas
    identiques !";
92     }
93 } else {
94     $message = "L'email existe déjà";
95 }
96 }else {
97     $message = "L'email est trop long";
98 }
99 }
```

Listing 43: registration-controller.php

3.13 tcpdf-config-alt.php

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * TCPDF Constant initialization here
6  */
7
8 /**
9  * Define the following constant to ignore the default configuration
10  * file.
11  */
12 define ('K_TCPDF_EXTERNAL_CONFIG', true);
13
14 /**
15  * Installation path (/var/www/tcpdf/).
16  * By default it is automatically calculated but you can also set it
17  * as a fixed string to improve performances.
18  */
19 //define ('K_PATH_MAIN', '');
20
21 /**
22  * URL path to tcpdf installation folder (http://localhost/tcpdf/).
23  * By default it is automatically set but you can also set it as a
24  * fixed string to improve performances.
25  */
26 //define ('K_PATH_URL', '');
27
28 /**
29  * Path for PDF fonts.
30  * By default it is automatically set but you can also set it as a
31  * fixed string to improve performances.
32  */
33 //define ('K_PATH_FONTS', K_PATH_MAIN.'fonts/');
34
35 /**
36  * Default images directory.
37  * By default it is automatically set but you can also set it as a
38  * fixed string to improve performances.
39  */
40 //define ('K_PATH_IMAGES', dirname(__FILE__).'/../img/');
41
42 /**
43  * Deaault image logo used be the default Header() method.
44  * Please set here your own logo or an empty string to disable it.
45  */
46 //define ('PDF_HEADER_LOGO', 'SwissObstacle_Logo_Couleur_Pantone485C
47  .png');
```

```
42
43 /**
44  * Header logo image width in user units.
45  */
46 //define ('PDF_HEADER_LOGO_WIDTH', 50);
47
48 /**
49  * Cache directory for temporary files (full path).
50  */
51 define ('K_PATH_CACHE', sys_get_temp_dir().'');
52
53 /**
54  * Generic name for a blank image.
55  */
56 define ('K_BLANK_IMAGE', '_blank.png');
57
58 /**
59  * Page format.
60  */
61 define ('PDF_PAGE_FORMAT', 'A3');
62
63 /**
64  * Page orientation (P=portrait, L=landscape).
65  */
66 define ('PDF_PAGE_ORIENTATION', 'L');
67
68 /**
69  * Document creator.
70  */
71 define ('PDF_CREATOR', 'Flight Club');
72
73 /**
74  * Document author.
75  */
76 define ('PDF_AUTHOR', 'Brian GOLAY');
77
78 /**
79  * Header title.
80  */
81 define ('PDF_HEADER_TITLE', 'logbook');
82
83 /**
84  * Header description string.
85  */
86 define ('PDF_HEADER_STRING', "by Flight Club");
87
88 /**
89  * Document unit of measure [pt=point, mm=millimeter, cm=centimeter,
    in=inch].
```

```
90  */
91  define ( 'PDF_UNIT', 'mm' );
92
93  /**
94   * Header margin.
95   */
96  define ( 'PDF_MARGIN_HEADER', 5 );
97
98  /**
99   * Footer margin.
100  */
101  define ( 'PDF_MARGIN_FOOTER', 10 );
102
103  /**
104   * Top margin.
105   */
106  define ( 'PDF_MARGIN_TOP', 47 );
107
108  /**
109   * Bottom margin.
110   */
111  define ( 'PDF_MARGIN_BOTTOM', 25 );
112
113  /**
114   * Left margin.
115   */
116  define ( 'PDF_MARGIN_LEFT', 15 );
117
118  /**
119   * Right margin.
120   */
121  define ( 'PDF_MARGIN_RIGHT', 15 );
122
123  /**
124   * Default main font name.
125   */
126  define ( 'PDF_FONT_NAME_MAIN', 'helvetica' );
127
128  /**
129   * Default main font size.
130   */
131  define ( 'PDF_FONT_SIZE_MAIN', 10 );
132
133  /**
134   * Default data font name.
135   */
136  define ( 'PDF_FONT_NAME_DATA', 'helvetica' );
137
138  /**
```

```
139 * Default data font size.
140 */
141 define ('PDF_FONT_SIZE_DATA', 8);
142
143 /**
144 * Default monospaced font name.
145 */
146 define ('PDF_FONT_MONOSPACED', 'courier');
147
148 /**
149 * Ratio used to adjust the conversion of pixels to user units.
150 */
151 define ('PDF_IMAGE_SCALE_RATIO', 1.25);
152
153 /**
154 * Magnification factor for titles.
155 */
156 define ('HEAD_MAGNIFICATION', 1.1);
157
158 /**
159 * Height of cell respect font height.
160 */
161 define ('K_CELL_HEIGHT_RATIO', 1.25);
162
163 /**
164 * Title magnification respect main font size.
165 */
166 define ('K_TITLE_MAGNIFICATION', 1.3);
167
168 /**
169 * Reduction factor for small font.
170 */
171 define ('K_SMALL_RATIO', 2/3);
172
173 /**
174 * Set to true to enable the special procedure used to avoid the
175 * overlappind of symbols on Thai language.
176 */
177 define ('K_THAI_TOPCHARS', true);
178
179 /**
180 * If true allows to call TCPDF methods using HTML syntax
181 * IMPORTANT: For security reason, disable this feature if you are
182 * printing user HTML content.
183 */
184 define ('K_TCPDF_CALLS_IN_HTML', true);
185
186 /**
187 * If true and PHP version is greater than 5, then the Error()
```



```
method throw new exception instead of terminating the execution.  
186 */  
187 define('K_TCPDF_THROW_EXCEPTION_ERROR', false);
```

Listing 44: tcpdf-config-alt.php

3.14 tcpdf-include.php

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * TCPDF config here
6  */
7 require_once('tcpdf_config_alt.php');
8
9 // Include the main TCPDF library (search the library on the
10 // following directories).
11 $tcpdf_include_dirs = array(
12     //realpath('tcpdf/tcpdf.php'),
13     './assets/tcpdf/tcpdf.php'
14 );
15 foreach ($tcpdf_include_dirs as $tcpdf_include_path) {
16     if (@file_exists($tcpdf_include_path)) {
17         require_once($tcpdf_include_path);
18         break;
19     }
20     error_log("TCPDF not found");
21 }
```

Listing 45: tcpdf-include.php

3.15 userAddFlight-controller.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * Add flight logic here
7  */
8
9 //require all the flight functions
10 require_once("../sql/flightDAO.php");
11 //require all the media functions
12 require_once("../sql/mediaDAO.php");
13 //require all the database functions
14 require_once("../sql/dbConnection.php");
15
16 use FlightClub\sql\FlightDAO;
17 use FlightClub\sql\MediaDAO;
18 use FlightClub\sql\DBConnection;
19
20 //check if the user is not already connected
21 if (!isset($_SESSION['userID'])) {
22     header("Location: ../index.php?page=homepage");
23     exit();
24 }
25
26 //we hide error to the user to only show our custom errors
27 error_reporting(0);
28
29 //we filter the user input
30 $role = filter_input(INPUT_POST, "Cd_Role", FILTER_SANITIZE_STRING);
31 $flight = filter_input(INPUT_POST, "No_Flight",
32     FILTER_SANITIZE_STRING);
33 $dateDeparture = filter_input(INPUT_POST, "Dttm_Departure",
34     FILTER_SANITIZE_STRING);
35 $dateArrival = filter_input(INPUT_POST, "Dttm_Arrival",
36     FILTER_SANITIZE_STRING);
37 $timeEngineOn = filter_input(INPUT_POST, "Tm_Engine_On",
38     FILTER_SANITIZE_STRING);
39 $timeEngineOff = filter_input(INPUT_POST, "Tm_Engine_Off",
40     FILTER_SANITIZE_STRING);
41 $typeAircraft = filter_input(INPUT_POST, "Nm_Plane",
42     FILTER_SANITIZE_STRING);
43 $registrationPlane = filter_input(INPUT_POST, "No_Plane",
44     FILTER_SANITIZE_STRING);
45 $icaoDeparture = filter_input(INPUT_POST, "Cd_ICAO_Departure",
46     FILTER_SANITIZE_STRING);
47 $icaoArrival = filter_input(INPUT_POST, "Cd_ICAO_Arrival",
```

```
    FILTER_SANITIZE_STRING);
40 $flightType = filter_input(INPUT_POST, "Cd_Flight_Type",
    FILTER_SANITIZE_STRING);
41 $flightMode = filter_input(INPUT_POST, "Cd_Flight_Mode",
    FILTER_SANITIZE_STRING);
42 $weather = filter_input(INPUT_POST, "Txt_Meteo",
    FILTER_SANITIZE_STRING);
43 $passengers = filter_input(INPUT_POST, "Nb_Passengers",
    FILTER_SANITIZE_NUMBER_INT);
44 $notes = filter_input(INPUT_POST, "Txt_Note", FILTER_SANITIZE_STRING
    );
45 $btn = filter_input(INPUT_POST, 'AddFlight', FILTER_SANITIZE_STRING)
    ;
46 $allflight = "";
47 $validTime = true;
48 $engineTime = true;
49 $idFlight = 0;
50 $error = "";
51
52 /**
53  * Function found on Stack overflow to check if a time is valid.
54  * Found at: https://stackoverflow.com/questions/3964972/validate-
55  \* that-input-is-in-this-time-format-hhmm
56  *
57  * @param string $time
58  * @return bool
59  */
60 function checkTime($time)
61 {
62     //check that the first char is either 0, a 1 or a 2, then the
63     //second character between 0 and 9. Then it looks for the ":"
64     //character. Then it check that the first minute number is between
65     //0 and 5, finnaly, it check that the last number is between 0 and
66     //9
67     if (preg_match("/^(?:2[0-3]|[01][0-9]):[0-5][0-9]$/", $time)) {
68         return true;
69     } else {
70         return false;
71     }
72 }
73
74 /**
75  * function that validate the date
76  *
77  * @param string $date
78  * @return bool
79  */
80 function validateDate($date)
81 {
82     //check that the first char is either 0, a 1 or a 2, then the
83     //second character between 0 and 9. Then it looks for the ":"
84     //character. Then it check that the first minute number is between
85     //0 and 5, finnaly, it check that the last number is between 0 and
86     //9
87     if (preg_match("/^(?:2[0-3]|[01][0-9]):[0-5][0-9]$/", $date)) {
88         return true;
89     } else {
90         return false;
91     }
92 }
```

```
76     $result = "";
77     $newDate = explode("T", $date);
78     try {
79         $result = checkdate(explode("-", $newDate[0])[1], explode("-",
80     ", $newDate[0])[2], explode("-", $newDate[0])[0]);
81     } catch (\Throwable $th) {
82         $result = null;
83     }
84     return $result;
85 }
86 //we reset the message
87 $message = array();
88 $successMessage = "";
89 //if all data are not empty
90 if (!empty($btn)) {
91     if (
92         !empty($role) && !empty($flight) && !empty($dateDeparture)
93         && !empty($dateArrival) &&
94         !empty($typeAircraft) && !empty($registrationPlane) && !
95         empty($icaoDeparture) && !empty($icaoArrival) && !empty($
96         flightType)
97         && !empty($flightMode) && !empty($weather) && $passengers !=
98         ""
99     ) {
100     } else {
101         $message[] = "Entrez tout les champs";
102     }
103     //we check that the data is valid
104     if (strlen($icaoDeparture) == 4 && strlen($icaoArrival) == 4) {
105     } else {
106         $message[] = "Vérifiez les codes ICAO";
107     }
108     //check that dates are valid
109     try {
110         if (validateDate($dateDeparture) && validateDate($
111         dateArrival)) {
112         } else {
113             $message[] = "La date n'est pas valide";
114         }
115     } catch (\Throwable $th) {
116         $message[] = "La date n'est pas valide";
117     }
118     //check the validity of the hours of the take off time and
119     landing time
120     try {
121         if (checkTime(explode("T", $dateDeparture)[1]) && checkTime(
```

```
explode("T", $dateArrival)[1])) {
118     $validTime = true;
119     //check the validity of the hours for the engine off and
    engine on time
120     if (!empty($timeEngineOn) && !empty($timeEngineOff)) {
121         $engineTime = true;
122         if (checkTime($timeEngineOn) && checkTime(
    $timeEngineOff)) {
123             $validTime = true;
124         } else {
125             $validTime = false;
126         }
127     } else {
128         $timeEngineOff = null;
129         $timeEngineOn = null;
130     }
131 } else {
132     $message[] = "La date et l'heure saisie ne sont pas
    valides";
133 }
134 } catch (\Throwable $th) {
135     $message[] = "L'heure saisie n'est pas valide";
136 }
137
138 if ($validTime && $engineTime) {
139     //check that the type of aircraft doesn't blow the database
140 } else {
141     $message[] = "L'heure saisie n'est pas valide";
142 }
143 if (strlen($typeAircraft) <= 45) {
144     //check that the registration of the aircraft doesn't blow
    the database
145 } else {
146     $message[] = "Le type d'avion est trop long";
147 }
148 if (strlen($registrationPlane) <= 45) {
149     //check that the flight type doesn't blow the database
150 } else {
151     $message[] = "L'immatriculation de l'avion est trop longue";
152 }
153 if (strlen($flightType) <= 45) {
154     //check that the flight mode doesn't blow the database
155 } else {
156     $message[] = "Le type de vol est trop long";
157 }
158 if (strlen($flightMode) <= 45) {
159     //check that the weather doesn't blow the database
160 } else {
161     $message[] = "Le mode de vol est trop long";
```

```
162     }
163     if (strlen($weather) <= 512) {
164         //check that the passengers number doesn't blow the database
165     } else {
166         $message[] = "La météo est trop longue";
167     }
168     if ($passengers <= 999999999999 && $passengers >= 0) {
169         //check that the notes doesn't blow the database
170     } else {
171         $message[] = "Le nombre de passagers est invalide";
172     }
173     if (strlen($notes) <= 1024) {
174         //every data is correct
175     } else {
176         $message[] = "Les notes sont trop longues";
177     }
178
179     //we check that every data is ok
180     if (empty($message)) {
181
182         //we check with is the latest id in the database
183         $allflight = FlightDAO::getAllFlightOrderById();
184         $idFlight = 0;
185         if (!empty($allflight)) {
186             $idFlight = $allflight[0]['Id_Flight'] + 1;
187         } else {
188             $idFlight = 0;
189         }
190         try {
191
192             //converting departure datetime to a good datetime
193             $dateDeparture = explode("T", $dateDeparture);
194             $dateDeparture = $dateDeparture[0] . " " .
195             $dateDeparture[1];
196
197             //converting arrival datetime to a good datetime
198             $dateArrival = explode("T", $dateArrival);
199             $dateArrival = $dateArrival[0] . " " . $dateArrival[1];
200
201             //we add the flight
202             FlightDAO::addFlight(
203                 $idFlight,
204                 $_SESSION['userID'],
205                 $role,
206                 strtoupper($flight),
207                 $dateDeparture,
208                 $dateArrival,
209                 $timeEngineOn,
```

```

210         $typeAircraft,
211         strtoupper($registrationPlane),
212         strtoupper($icaoDeparture),
213         strtoupper($icaoArrival),
214         $flightType,
215         $flightMode,
216         $weather,
217         $passengers,
218         $notes
219     );
220     //we show a success message
221     $successMessage = "Vol enregistrer avec succès!";
222 } catch (\Throwable $th) { //we show an error message
223     $message = "Une erreur est survenue. Merci de réessayer
";
224 }
225
226     /////FILE UPLOAD
227
228     $name = "";
229     $lienimg = "";
230     $default_dir = "./media/";
231     $errorimg = "";
232     $size_total = 0;
233     $error = "";
234     $type = '';
235     $extension = '';
236     $nb_files = count($_FILES['media']['name']);
237     $MAX_FILE_SIZE = 3145728; // 3MB in bytes
238     $MAX_POST_SIZE = 73400320; // 70MB in bytes
239
240     $extensions = array(
241         "image" => array('.png', '.gif', '.jpg', '.jpeg'),
242     );
243     // available types of file
244     $types = array('image');
245     if ($_FILES['media']['name'][0] != "") {
246         DBConnection::startTransaction();
247         //we check the size of the image
248         foreach ($_FILES['media']['size'] as $key => $value)
249         {
250             if ($value > $MAX_FILE_SIZE) {
251                 $error = 'File too heavy.';
252                 DBConnection::rollback();
253             } else {
254                 $size_total += $value;
255             }
256         }
257         //if there is images we check each media size
258         if (isset($_FILES['media'])) {

```



```

257         for ($i = 0; $i < $nb_files; $i++) {
258             $erroring = $_FILES['media']['error'][$i];
259             if ($error == 'File too heavy.' ||
260                 $size_total > $MAX_POST_SIZE) {
261                 $error = "Fichier trop volumineux!";
262                 DBConnection::rollback();
263             } else {
264                 //we check the mime type
265                 $separator = '/';
266                 $extension = explode($separator,
mime_content_type($_FILES['media']['tmp_name'][$i]))[1];
267                 $type = explode($separator,
mime_content_type($_FILES['media']['tmp_name'][$i]))[0];
268
269                 if (!in_array($type, $types)) {
270                     $error = "erreur dans le type de
fichier";
271                     DBConnection::rollback();
272                 } else {
273                     if ($error != "erreur dans le type
de fichier") {
274                         if ($erroring[0] == 0) { //if
there is no error, we add the file
275                             $tmp_name = $_FILES['media'
] ["name"][$i];
276                             $name = explode(".",
$tmp_name);
277                             $name = $name[0] . uniqid()
. "." . $name[1];
278
279                             if (move_uploaded_file(
$_FILES['media'] ["tmp_name"][$i], $default_dir . $type . "/" .
$name)) {
280                                 //add the filename in
the database
281                                 MediaDAO::changePath(
$name, $tmp_name[$i]);
282                                 $lienimg = $default_dir
. $type . "/" . $name;
283                             } else {
284                                 DBConnection::rollback()
;
285                             }
286                         }
287                         try {
288                             MediaDAO::addmedia($lienimg,
$idFlight);
289

```

```
290         DBConnection::commit();
291     } catch (\Throwable $th) {
292         $error = $th;
293         DBConnection::rollback();
294     }
295 } else {
296     DBConnection::rollback();
297 }
298 }
299 }
300 }
301 }
302 }
303 }
304 }
305 if ($error != "") {
306     $message .= " " . $error;
307 }
```

Listing 46: userAddFlight-controller.php

3.16 userLogBook-controller.php

```

1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * user logbook logic here
7  */
8 require_once "../sql/userDAO.php";
9 require_once "../sql/flightDAO.php";
10
11 use FlightClub\sql\FlightDAO;
12 use FlightClub\sql\userDAO;
13
14 //we check if the user is already logged-in
15 if (!isset($_SESSION['userID'])) {
16     header("Location: ../index.php?page=homepage");
17     exit();
18 }
19
20 //we get all flight from the current user
21 $userFlight = FlightDAO::getAllUserFlightByUserId($_SESSION['userID']
22     []);
23
24 /**
25  * Show all flight of the current user
26  *
27  * @param array[mixed] $flight
28  * @return void
29  */
30 function showFlight($flight)
31 {
32     //if there is at least 1 flight, we show it
33     if (!empty($flight)) {
34         foreach ($flight as $key => $value) {
35             echo "<tr><td>" . $value['No_Flight'] . "</td><td>" .
36                 $value['Dttm_Departure'] . "</td><td>" . $value['Dttm_Arrival'] .
37                 "</td><td>" .
38                 $value['Tm_Engine_On'] . "</td><td>" . $value['
39                 Tm_Engine_Off'] . "</td><td>" . $value['Nm_Plane'] . "</td><td>"
40                 . $value['No_Plane'] . "</td><td>" .
41                 $value['Cd_ICAO_Departure'] . "</td><td>" . $value['
42                 Cd_ICAO_Arrival'] . "</td><td>" . $value['Cd_Flight_Type'] . "</
43                 td><td>" . $value['Cd_Flight_Mode'] .
44                 "</td><td>" . $value['Cd_Role'] . "</td><td><a href
45                 ='?page=logbookDetail&id=" . $value['Id_Flight'] . "'>Détails</a
46                 ></td><td><a href='?page=logbookEdit&id=" . $value['Id_Flight'] .
47                 "'>Editer le vol</a></td></tr>";

```

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```
81     $start = strtotime($Dt_Departure);
82     $end = strtotime($Dt_Arrival);
83
84     //If you want it in minutes, you can divide the difference by 60
      instead
85     $mins = (int)(( $end - $start) / 60);
86     return $mins;
87 }
```

Listing 47: *userLogBook-controller.php*

3.17 userLogBookMenu-controller.php

```
1 <?php
2 /**
3  * @author GOLAY Brian
4  * @version 1.0 (2021/05/20)
5  * user menu logic here
6  */
7 require_once "../sql/userDAO.php";
8
9 use FlightClub\sql\userDAO;
10
11 //we check if the user is already logged-in
12 if (!isset($_SESSION['userID'])) {
13     header("Location: ../index.php?page=homepage");
14     exit();
15 }
```

Listing 48: userLogBookMenu-controller.php

3.18 userModify-controller.php

```
1 <?php
2
3 /**
4  * @author GOLAY Brian
5  * @version 1.0 (2021/05/20)
6  * modify user data logic here
7  */
8 require_once "../sql/userDAO.php";
9
10 use FlightClub\sql\userDAO;
11
12 //we check if the user is already logged-in
13 if (!$SESSION['connected']) {
14     header("Location: ../index.php?page=homepage");
15     exit();
16 }
17 //we filter the user input
18 $newPassword = filter_input(INPUT_POST, "newpassword",
19     FILTER_SANITIZE_STRING);
20 $repeatNewPassword = filter_input(INPUT_POST, "repeatnewpassword",
21     FILTER_SANITIZE_STRING);
22 $oldPassword = filter_input(INPUT_POST, "oldpassword",
23     FILTER_SANITIZE_STRING);
24
25 $messageErreur = "";
26 $messageSucces = "";
27 //we check that the email and password are filled
28 if (!empty($newPassword) && !empty($repeatNewPassword) && !empty(
29     $oldPassword)) {
30
31     //we hash the user password
32     $hashed = hash('sha512', $oldPassword);
33     $salted = substr($hashed, 0, 20) . $hashed . substr($hashed, 50,
34         70);
35     $hashed = hash('sha512', $salted);
36
37     //we compare the hashed password of the user with the one in the
38     database
39     if (password_verify($hashed, userDAO::getUserByEmail(userDAO::
40         getUserByID($SESSION['userID'])['Txt_Email'])['Txt_Password_Hash
41         '])) {
42         //we check that booth of the new password are the same
43         if ($newPassword == $repeatNewPassword) {
44             //we hash the new password to make it work with the
45             login
46             $hashed = hash('sha512', $newPassword);
47             $salted = substr($hashed, 0, 20) . $hashed . substr(
```

```
    $hashed, 50, 70);
39     $hashed = hash('sha512', $salted);
40
41     //we hash again with password hash
42     $hashed = password_hash($hashed, PASSWORD_BCRYPT);
43
44     //we update the password in the database
45     UserDao::changePassword($_SESSION['userID'], $hashed);
46     //we display a success message to the user
47     $messageSucces = "Mot de passe changé avec succès";
48 } else {
49     //we display an error message to the user
50     $messageErreur = "Les 2 mot de passe saisis ne sont pas
identiques!";
51 }
52 } else {
53     //we display an error message to the user
54     $messageErreur = "Mauvais mot de passe!";
55 }
56 }
```

Listing 49: userModify-controller.php

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